

Queensland



**Australian
Bureau of
Statistics**

THE LABOUR FORCE

AUGUST 1988

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THE LABOUR FORCE, QUEENSLAND, AUGUST 1988

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THE LABOUR FORCE, QUEENSLAND, AUGUST 1988

Explanatory Notes

Introduction

This publication contains estimates of the civilian labour force derived from the labour force survey part of the monthly population survey, including estimates for Queensland regions.

2. Detailed maps of the Queensland labour force dissemination regions are presented in this publication. Users should note that from September 1987 significant changes were made to the number and composition of all labour force regions in Queensland.

3. Although emphasis in the population survey is placed on the regular collection of specific data on demographic and labour force characteristics of the population, supplementary and special surveys of particular aspects of the labour force or of other subjects are carried out from time to time. Statistics from these surveys are published and are available on request.

The Population Survey

4. The survey is based on a multi-stage area sample of private dwellings and non-private dwellings (hotels, motels etc.) and usually covers slightly more than three-fifths of 1 per cent of the population of Queensland. The information is obtained from the occupants of selected dwellings by carefully chosen and specially trained interviewers. The interviews are generally conducted during a period of 2 weeks beginning on the Monday between the 6th and 12th of each month. The information obtained relates to the week before the interview (i.e. the survey week).

Scope

5. The labour force survey includes all persons aged 15 years and over except:

- (a) members of the permanent defence forces;
- (b) certain diplomatic personnel of overseas governments, customarily excluded from Census and estimated populations;
- (c) overseas visitors holidaying in Australia and
- (d) members of non-Australian defence forces (and their dependants) stationed in Australia.

Coverage

6. In the labour force survey, coverage rules are applied which aim to ensure that each person is associated with only one dwelling, and hence has only one chance of selection. The coverage rules are, necessarily, a balance between theoretical and operational considerations. Nevertheless, the chance of a person being enumerated at two separate dwellings in the one survey is considered to be negligible. See paragraphs 29 to 31 for information about the effect of the coverage rules on family statistics.

7. Persons who are away overseas from their usual residence for less than 6 weeks at the time of interview are generally enumerated at their usual residence when relevant information can be obtained from other usual residents present at the time of the survey. Persons who, at the time of interview, are overseas for 6 weeks or more but for less than 12 months are included in the estimates on the assumption that their labour force characteristics are similar to those of the persons responding in the survey.

Definitions

8. The *labour force category* to which a person is assigned depends on the actual activity (i.e. whether working, looking for

work etc.) during the survey week. The following definitions, which conform closely to the international standard definitions specified by the International Labour Office (ILO), relate only to those persons within the scope of the survey.

9. *Employed persons* comprise all those aged 15 years and over who, during the survey week:

- (a) worked for 1 hour or more for pay, profit, commission or payment in kind in a job or business, or on a farm (including employees, employers and self-employed persons); or
- (b) worked for 1 hour or more without pay in a family business or on a farm (i.e. unpaid family helpers); or
- (c) were employees who had a job but were not at work and were: on paid leave; on leave without pay for less than 4 weeks up to the end of the survey week; stood down without pay because of bad weather or plant breakdown at their place of employment for less than 4 weeks up to the end of the survey week; on strike or locked out; on workers' compensation and expected to be returning to their job or receiving wages or salary while undertaking full-time study or
- (d) were employers, self-employed persons or unpaid family helpers who had a job, business or farm, but were not at work.

10. *Full-time workers* are those who usually work 35 hours or more a week and others who, although usually part-time workers, worked 35 hours or more during the survey week.

11. *Part-time workers* are those who usually work less than 35 hours a week and who did so during the survey week.

12. *Hours of work.* The figures of average hours refer to actual hours worked during the survey week, not hours paid for. They may be affected by public holidays, leave or absenteeism; temporary absence from work due to sickness, injury, accident and industrial disputes and stoppages of work due to bad weather, plant breakdown etc. When hours of work are recorded, fractions of an hour are disregarded and this results in slightly lower figures than would be the case if actual time worked was recorded. Persons stood down for the whole of the survey week without pay because of bad weather or plant breakdown at their place of employment are regarded as employed and therefore are included (working no hours) in the calculation of average hours worked. Persons stood down in the survey week for reasons other than bad weather or plant breakdown and waiting to be called back to their job are regarded as unemployed and are therefore excluded from the calculations.

13. *Unemployed persons* are those aged 15 years and over who were not employed during the survey week, and:

- (a) had actively looked for full-time or part-time work at any time in the 4 weeks up to the end of the survey week and:
 - (i) were available for work in the survey week, or would have been available except for temporary illness (i.e. lasting for less than 4 weeks to the end of the survey week); or
 - (ii) were waiting to start a new job within 4 weeks from the end of the survey week and would have started in the survey week if the job had been available then or
- (b) were waiting to be called back to a full-time or part-time job from which they had been stood down without pay for less than 4 weeks up to the end of the survey week (including the whole of the survey week) for reasons other than bad weather or plant breakdown.

14. Persons actively looking for work includes those writing, telephoning or applying in person to an employer for work; answering a newspaper advertisement for a job; checking factory

Explanatory Notes (continued)

Definitions (continued)

or Commonwealth Employment Service notice-boards; being registered with the Commonwealth Employment Service; checking or registering with any other employment agency; advertising or tendering for work and contacting friends or relatives.

15. *Unemployed persons looking for first job* are those who had never worked full-time for 2 weeks or more.

16. The *unemployment rate* for any group is the number unemployed expressed as a percentage of the labour force (i.e. employed plus unemployed) in the same group.

17. *Duration of unemployment* is the period from the time the person began looking for work or was laid off to the end of the survey week. Thus the survey measures current (and continuing) periods of unemployment rather than completed spells. For persons who may have begun looking for work while still employed, the duration of unemployment is defined as the period from the time the person last worked full-time for 2 weeks or more to the end of the survey week. Periods of unemployment are recorded in complete weeks and this results in a slight understatement of duration.

18. *Median duration of unemployment* is the duration which divides unemployed persons into two equal groups, one comprising persons whose duration of unemployment is above the median and the other comprising persons whose duration is below it.

19. *Unemployed persons classified by industry and occupation.* Unemployed persons who had worked full-time for 2 weeks or more in the last 2 years are classified according to the industry and occupation of their most recent full-time job.

20. The *labour force* comprises all persons who, during the survey week, were employed or unemployed, as defined above.

21. The *labour force participation rate* for any group is the labour force expressed as a percentage of the civilian population aged 15 years and over in the same group.

22. *Persons not in the labour force* are those who, during the survey week, were not in the categories *employed* or *unemployed* as defined. This category therefore includes persons who were keeping house (unpaid), retired or voluntarily inactive, permanently unable to work, inmates of institutions, trainee teachers, members of contemplative religious orders and persons whose only activity during the survey week was jury service or unpaid voluntary work for a charitable organisation.

23. Specific surveys of persons not in the labour force indicate that a number of persons want to work but are not classified as unemployed because they were not looking for work or were not available to begin work in the survey week. Included in this group are the discouraged jobseekers and other persons marginally attached to the labour force.

24. *Persons attending school or a tertiary educational institution.* Persons attending school comprise those aged 15 to 19 years who, during the reference week, were enrolled full-time at secondary or high schools. Persons attending a tertiary education institution, comprise those aged 15 to 24 years who were enrolled full-time at universities, colleges of advanced education, technical colleges, colleges of technical and further education and theological colleges. Excluded are persons enrolled at coaching and business schools. Persons attending school or a tertiary educational institution are classified as in the labour force if they were employed or unemployed as defined above. In tables classified by attendance at school or a tertiary educational institution, persons in hospitals, gaols etc. are included in the category 'not in the labour force, attending neither school nor a tertiary educational institution full-time'.

25. *Marital status.* In the labour force survey, persons are classified as *married* or *not married*. Marital status is determined from information supplied by the respondent about the individual himself or herself and, where the person was reported as being married, about the living arrangements of persons usually resident in the household. Marital status does not therefore necessarily reflect legal status. Persons are classified as married if they are reported as being married (including de facto) and their spouse was a usual resident of the household at the time of the survey. The not married category includes persons who have never married, or are widowed, separated or divorced, as well as those who, although reported as being married, did not have a spouse who usually lived in the household. Persons who live in a de facto relationship but do not volunteer this information when asked whether they are married, are classified as not married.

26. *Industry classification.* Industry is classified according to the Australian Standard Industrial Classification (ASIC), 1983.

27. *Occupation classification.* Occupation is classified according to the Australian Standard Classification of Occupations (ASCO), 1986, which replaced the Classification and Classified List of Occupations (CCLO), Revised November 1980, used in the surveys prior to August 1986.

28. The new classification relies on the level and specialisation of skill required to perform primary tasks satisfactorily as its classificatory variable and is therefore significantly different from the previous classification. Detailed information on the ASCO classification and structure is contained in the publication *ASCO Statistical Classification* (Catalogue No. 1222.0).

29. *Family status.* As a part of survey procedures, family relationships are determined each month, enabling both the estimation of persons cross-classified by their family status and the estimation of families.

30. Because of the coverage rules of the population survey which associate persons with particular dwellings so that each person has an equal chance of selection in the survey, persons who usually live with other members of their family may, at the time of the survey, be enumerated as not living with all the usual members of their family. This situation is more likely for persons who are enumerated as visitors to other private dwellings or as persons staying in non-private dwellings (hotels, caravan parks, hospitals etc.). The determination of family structure and family characteristics in such cases is most difficult. Thus, family information was not obtained for the following persons:

- (a) all persons enumerated in non-private dwellings (including hotels, motels and hospitals and other institutions) and
- (b) persons enumerated as visitors to (rather than usual residents of) private dwellings.

31. In addition, in those private dwellings where it was not possible to obtain information relating to all the usual residents, no family information was recorded. Thus the family characteristics of persons living in families which include a member of the permanent defence forces, who is outside the scope of the population survey, are not determined because family information could not be obtained from each usual resident. Similarly, families which at the time of the survey have one or more of their members away from the usual residence, are also excluded from family determination. A summary of those persons for whom family information was obtained, as well as those usual residents of private dwellings for whom complete family information could not be obtained, and those persons specifically excluded from the family determination procedures is contained in the family tables. Generally, family status is determined for more than 90 per cent of all civilians aged 15 years and over.

Explanatory Notes (continued)

Population Benchmarks

32. Labour force survey estimates of persons employed, unemployed and not in the labour force are calculated in such a way as to add up to the independently estimated distribution of the population aged 15 years and over by age and sex. This procedure compensates for under-enumeration in the survey, and leads to more reliable estimates. The independent population statistics (benchmarks) are the latest available estimates at the time the labour force survey is conducted, but they usually differ from the official population estimates subsequently published in the ABS publication *Australian Demographic Statistics Quarterly* (Catalogue No. 3101.0) because they are necessarily derived from incomplete information about population changes.

33. Since regular estimates of the population are not available at the regional level, the State benchmarks were used to produce regional estimates. This methodology assumes a common pattern of under-enumeration at the regional level and also ensures that regional estimates add to the State totals.

34. While this procedure can be expected to provide reliable estimates of unemployment and participation rates, it cannot be taken as completely reliable for estimates of numbers involved. For this reason estimates of numbers in each region have not been added to provide an estimate of the total civilian population aged 15 years and over.

Survey Sample Redesign

35. Following each Population Census the ABS redesigns and reselects the Labour Force Survey (LFS) sample to take into account the new information which is obtained from the Census. The sample used in the LFS from October 1982 to August 1987, designed and selected using data from the 1981 Census, has been updated and reselected using information collected in the 1986 Census. The new sample was phased in over the period from September 1987 to December 1987.

Australian Standard Geographical Classification

36. The data are presented according to the Australian Standard Geographical Classification (ASGC), Edition 5.

37. *Statistical divisions* are designed to be relatively homogeneous areas characterised by identifiable social and economic units within the area. The Brisbane Statistical Division comprises the Cities of Brisbane, Ipswich, Logan and Redcliffe, the Shire of Redland and parts of the Shires of Albert, Beaudesert, Caboolture, Moreton and Pine Rivers.

38. *Statistical regions* are spatial units sufficiently large to be suitable for the presentation of labour force statistics. Statistical regions generally consist of one or more statistical divisions. However, the Moreton Statistical Division covers two statistical regions and the Brisbane Statistical Division is divided into four statistical regions (see the maps on pages 6 and 7).

Seasonally Adjusted Estimates

39. Seasonal adjustment is a means of removing the estimated effects of normal seasonal variation from the series so that the effect of other influences on the series can be more clearly recognised. Seasonal adjustment does not remove the irregular or non-seasonal influences which may be present in any particular month. Influences that are volatile can still make it difficult to interpret the movement of the series even after adjustment for seasonal variation.

40. The seasonally adjusted estimates still reflect the sampling and non-sampling errors to which the original estimates are subject. Furthermore, the seasonal adjustment process does not attempt to remove the effect of random influences such as industrial disputes on the estimates.

Trend Estimates

41. Smoothed seasonally adjusted series produce a measure of trend by reducing the impact of the irregular component of the series. The trend estimates are derived by applying a 13 term Henderson-weighted moving average to the respective seasonally adjusted series. These trend series are used to analyse the underlying behaviour of the series over time.

42. While this smoothing technique enables estimates to be produced which include the latest month, it does result in revisions to the most recent months as additional observations become available. Generally, subsequent revisions become smaller and after 3 months have a negligible impact on the series. There will also be revisions as a result of the annual review of seasonal factors.

Month-to-month Movements

43. Care should be taken in the interpretation of month-to-month movements in labour force survey estimates as they are subject to sampling and non-sampling variability as explained in the Technical Notes.

Revision of Series

44. The population benchmarks used in labour force survey estimates are compiled according to place of usual residence. Survey estimates are not revised for the usually small amendments of population benchmarks arising from new data on deaths and overseas and internal migration. Revisions are made, however, after each Census of Population and Housing and when population estimation bases are reviewed.

Related Publications

45. Users may also wish to refer to the following publications which are available on request:

Monthly Summary of Statistics (1304.3) – Monthly (\$5.00)
Economic Indicators (1307.3) – Monthly (\$3.00)
 Information Paper: *Questionnaires Used in the Labour Force Survey* (6232.0) – Latest issue: June 1986
 Information Paper: *Release of Regional Labour Force Statistics* (6262.0) – Latest issue: April 1985
 Information Paper: *A Guide to Smoothing Time Series – Estimates of 'Trend'* (1316.0) – Latest issue: January 1987 (\$5.00)
 Information Paper: *Time Series Decomposition – An Overview* (1317.0) – Latest issue: March 1987
 Information Paper: *Labour Force Survey – Sample Design* (6269.0) – Latest issue: August 1987

46. Current publications produced by the ABS are listed in the *Catalogue of Publications* (Catalogue No. 1101.0) and those produced by the Queensland Office are listed in *List of Publications* (Catalogue No. 1101.3). A *Publications Advice* (Catalogue No. 1105.0) is issued on Tuesdays and Fridays which lists publications to be released in the next few days. These publications are available from any ABS Office.

Explanatory Notes (continued)

Unpublished Statistics

47. The ABS can also make available certain labour force statistics which are not published. This information may be made available through floppy disk, microfiche, photocopy, computer printout or clerically extracted tabulation. Generally, a charge is made for providing unpublished statistics.

48. For further information on these unpublished statistics contact Bevin Morris by telephoning Brisbane (07) 222 6029, or write to Information Services at the address above.

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12 December 1988

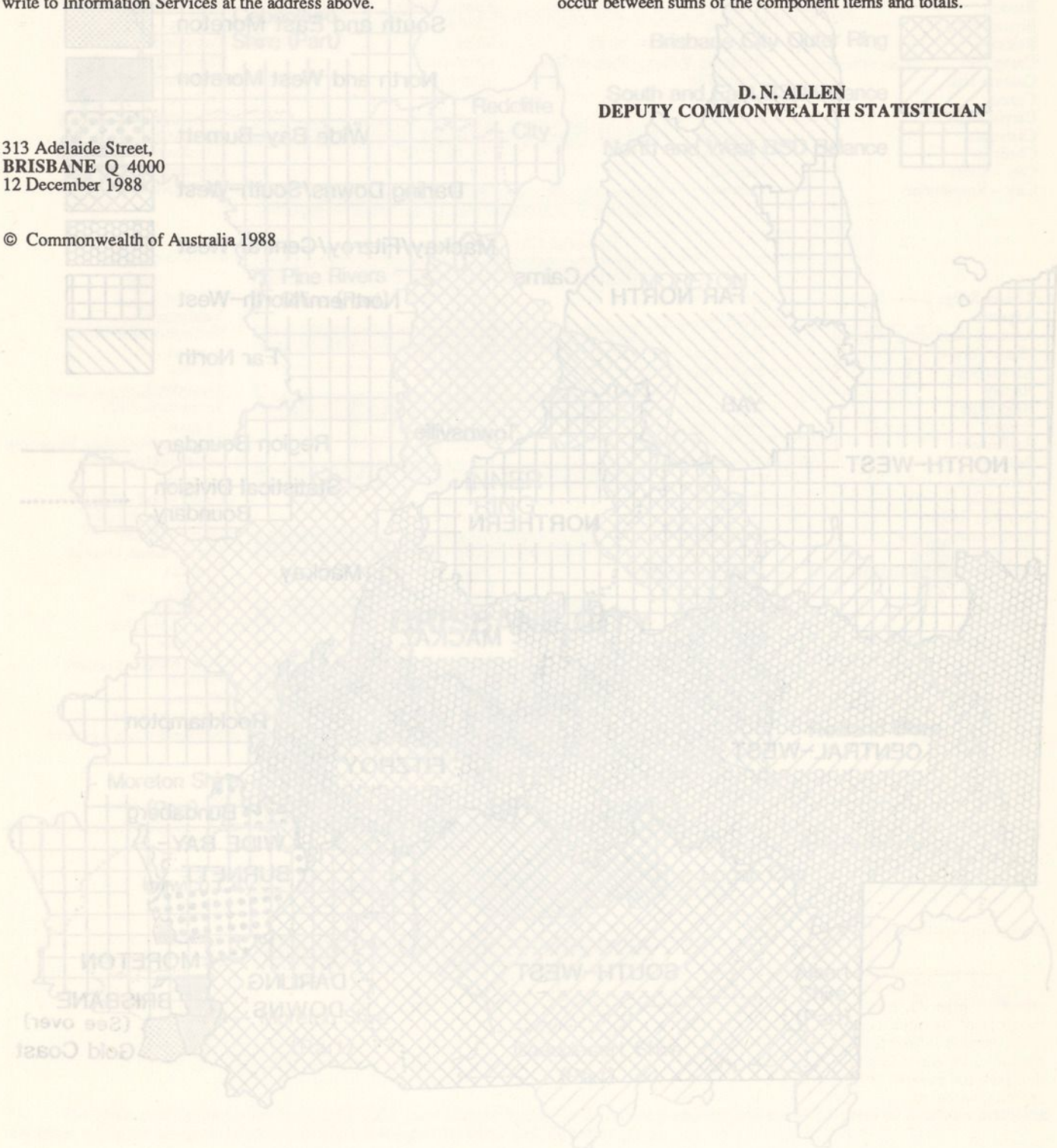
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Symbols and Other Usages

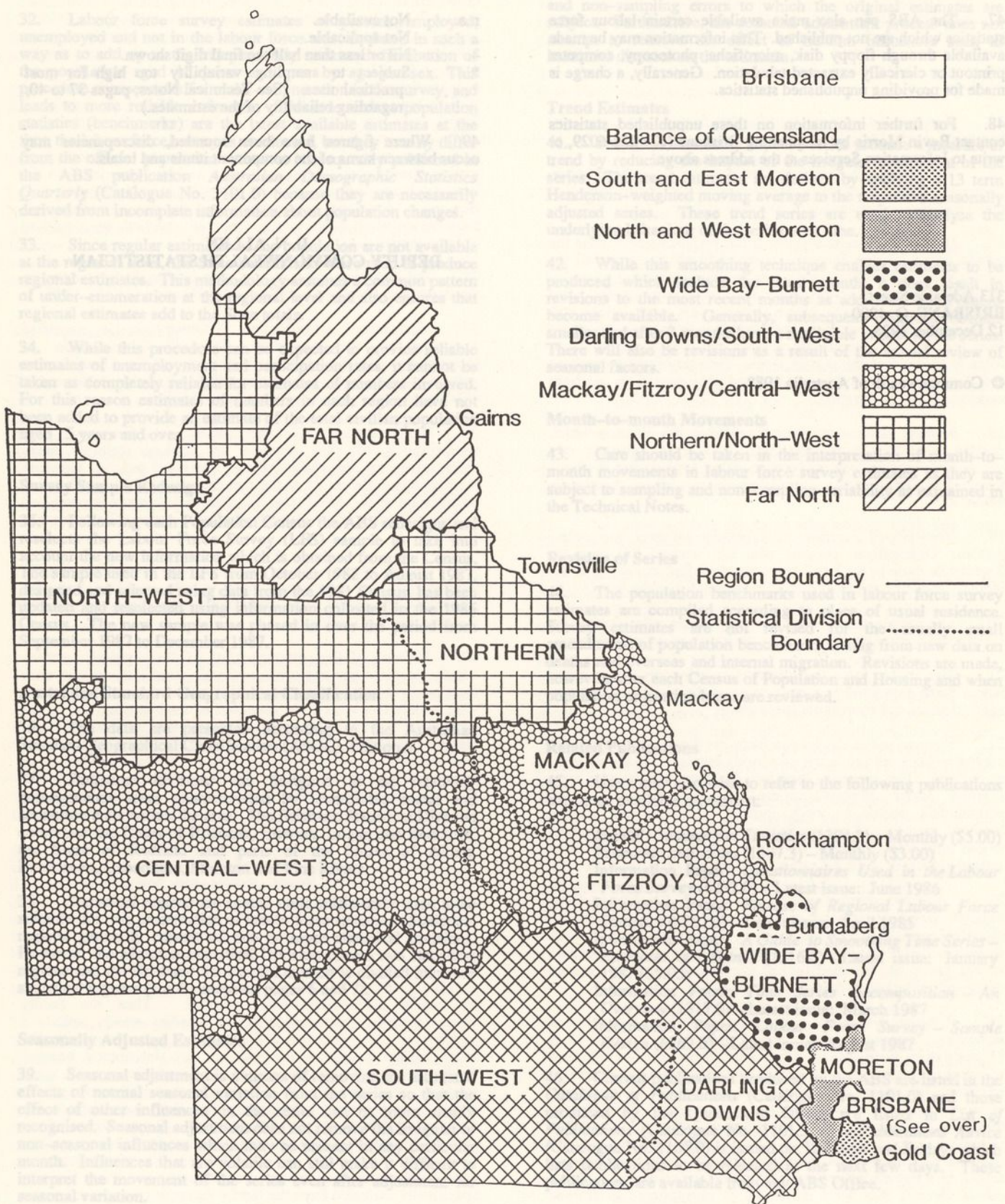
n.a. Not available.
.. Not applicable.
— Nil or less than half the final digit shown.
* Subject to sampling variability too high for most practical uses. (See Technical Notes, pages 37 to 40, regarding reliability of the estimates.)

49. Where figures have been rounded, discrepancies may occur between sums of the component items and totals.

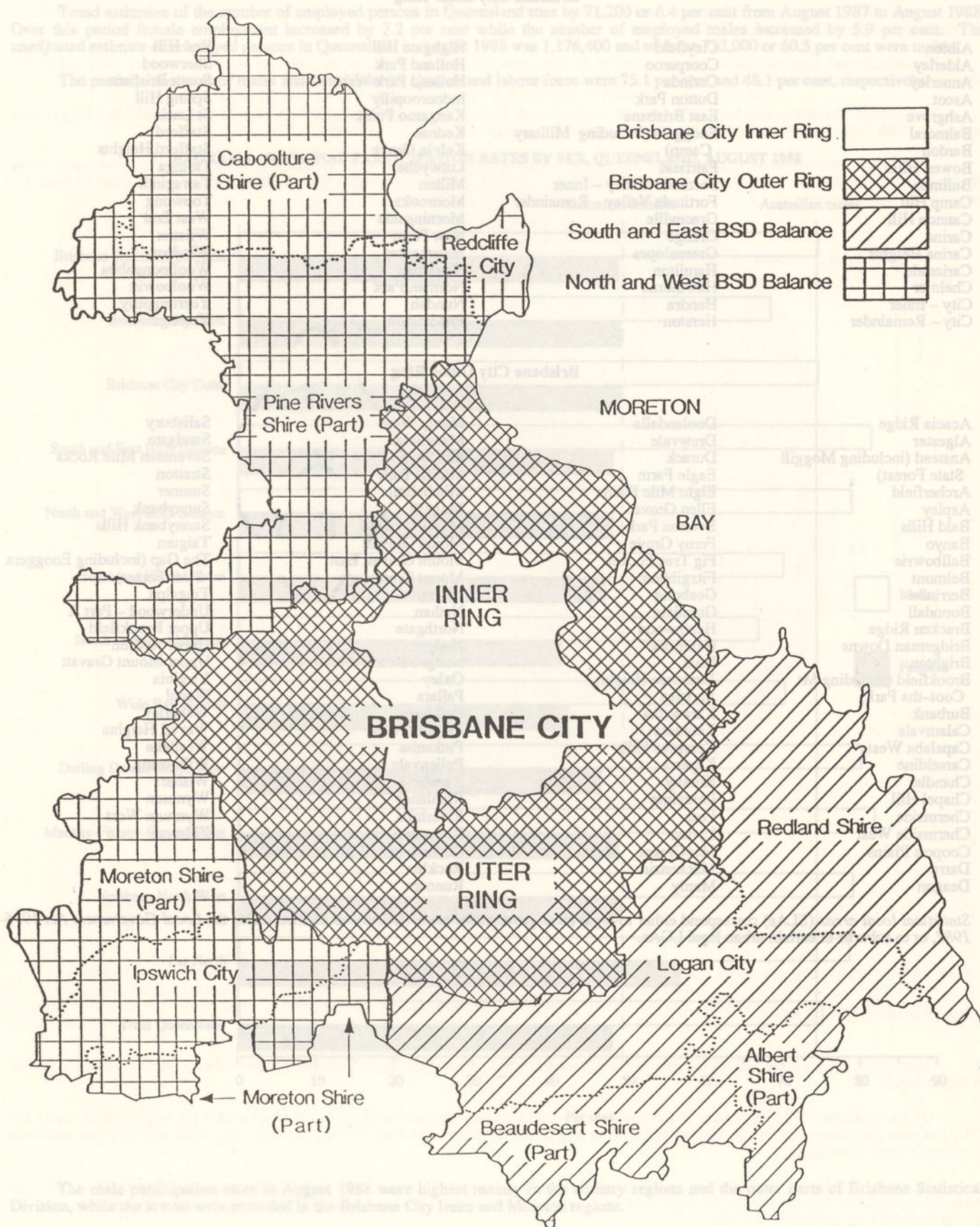
D. N. ALLEN
DEPUTY COMMONWEALTH STATISTICIAN



STATISTICAL REGIONS, QUEENSLAND



STATISTICAL REGIONS, BRISBANE STATISTICAL DIVISION



The male participation rate in August 1982 were highest in the Brisbane City Inner Ring and Outer Ring regions, while the lowest were recorded in the Brisbane City Inner and Outer Ring regions.

Female participation rates were more evenly distributed except that Far North region recorded a significantly higher rate at 56.8 per cent and North and West Moreton and Wide Bay - Burnett regions at about 42 per cent, were well below the Queensland rate of 48.1 per cent.

Statistical Local Areas in Brisbane City Statistical Regions

Brisbane City Inner Ring

Albion
 Alderley
 Annerley
 Ascot
 Ashgrove
 Balmoral
 Bardon
 Bowen Hills
 Bulimba
 Camp Hill
 Cannon Hill
 Carina
 Carina Heights
 Carindale
 Chelmer
 City – Inner
 City – Remainder

Clayfield
 Coorparoo
 Corinda
 Dutton Park
 East Brisbane
 Enoggera (including Military Camp)
 Fairfield
 Fortitude Valley – Inner
 Fortitude Valley – Remainder
 Graceville
 Grange
 Greenslopes
 Hamilton
 Hawthorne
 Hendra
 Herston

Highgate Hill
 Holland Park
 Holland Park West
 Indooroopilly
 Kangaroo Point
 Kedron
 Kelvin Grove
 Lutwyche
 Milton
 Moorooka
 Morningside
 New Farm
 Newmarket
 Newstead
 Norman Park
 Nundah
 Paddington

Red Hill
 Sherwood
 South Brisbane
 Spring Hill
 St Lucia
 Stafford
 Stafford Heights
 Taringa
 Tarragindi
 Toowong
 West End
 Wilston
 Windsor
 Woolloongabba
 Woolloowin
 Yeerongpilly
 Yeronga

Brisbane City Outer Ring

Acacia Ridge
 Algester
 Anstead (including Moggill State Forest)
 Archerfield
 Aspley
 Bald Hills
 Banyo
 Bellbowrie
 Belmont
 Berrinba
 Boondall
 Bracken Ridge
 Bridgeman Downs
 Brighton
 Brookfield (including Mt Coot-tha Park)
 Burbank
 Calamvale
 Capalaba West
 Carseldine
 Chandler
 Chapel Hill
 Chermside
 Chermside West
 Coopers Plains
 Darra
 Deagon

Doolandella
 Drewvale
 Durack
 Eagle Farm
 Eight Mile Plains
 Ellen Grove
 Everton Park
 Ferny Grove
 Fig Tree Pocket
 Fitzgibbon
 Geebung
 Gumdale
 Heathwood
 Hemmant
 Inala
 Jamboree Heights
 Jindalee
 Karawatha
 Kenmore
 Kenmore Hills
 Keperra
 Kuraby
 Larapinta
 Lota
 Lytton
 MacGregor
 Mackenzie
 Manly

Manly West
 Mansfield
 McDowall
 Middle Park
 Mitchelton
 Moggill
 Moreton Island
 Mount Gravatt
 Mount Gravatt East
 Mount Ommaney
 Murarrie
 Nathan
 Northgate
 Nudgee
 Nudgee Beach
 Oxley
 Pallara
 Parkinson
 Pinjarra Hills
 Pinkenba
 Pullenvale
 Ransome
 Richlands
 Riverhills
 Robertson
 Rochedale
 Rocklea
 Runcorn

Salisbury
 Sandgate
 Seventeen Mile Rocks
 Stretton
 Sumner
 Sunnybank
 Sunnybank Hills
 Taigum
 The Gap (including Enoggera State Forest)
 Tingalpa
 Underwood – Part A
 Upper Brookfield
 Upper Kedron
 Upper Mount Gravatt
 Virginia
 Wacol
 Wakerley
 Wavell Heights
 Westlake
 Willawong
 Wishart
 Wynnum
 Wynnum West
 Zillmere

Statistical local areas (SLAs) correspond either to legal local government areas (LGAs), as defined under the *Local Government Act 1936–1987*, or to suburbs in certain urban legal LGAs.

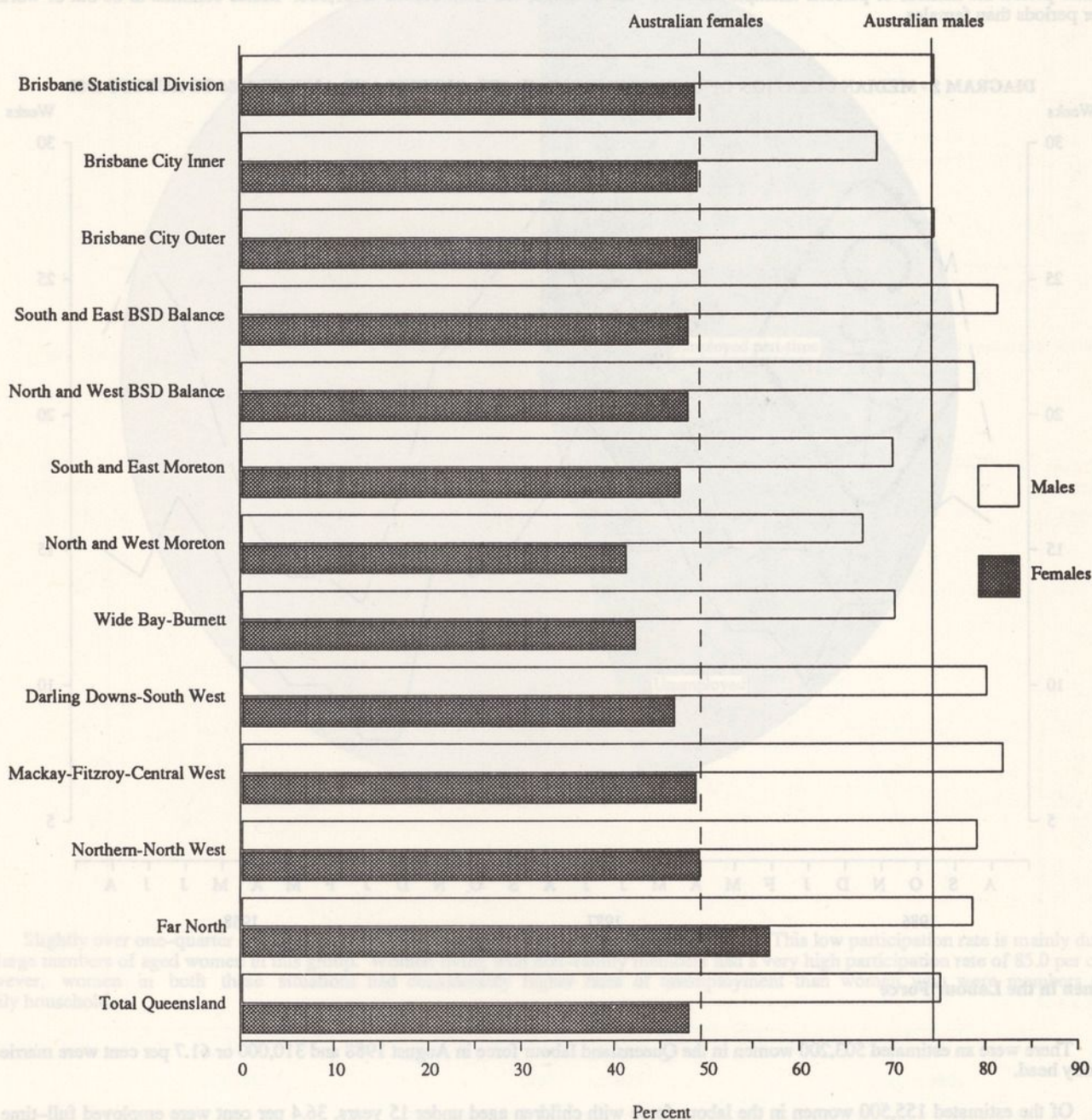
Summary of Findings

Employment and Participation in the Labour Force

Trend estimates of the number of employed persons in Queensland rose by 71,200 or 6.4 per cent from August 1987 to August 1988. Over this period female employment increased by 7.2 per cent while the number of employed males increased by 5.9 per cent. The unadjusted estimate of employed persons in Queensland in August 1988 was 1,176,400 and of these 712,000 or 60.5 per cent were males.

The participation rates of males and females in the Queensland labour force were 75.1 per cent and 48.1 per cent, respectively.

DIAGRAM 1 - REGIONAL PARTICIPATION RATES BY SEX, QUEENSLAND, AUGUST 1988



The male participation rates in August 1988 were highest mainly in the country regions and the outer parts of Brisbane Statistical Division, while the lowest were recorded in the Brisbane City Inner and Moreton regions.

Female participation rates were more evenly distributed except that Far North region recorded a significantly higher rate at 56.8 per cent and North and West Moreton and Wide Bay-Burnett regions at about 42 per cent, were well below the Queensland rate of 48.1 per cent.

Summary of Findings (continued)

Unemployment

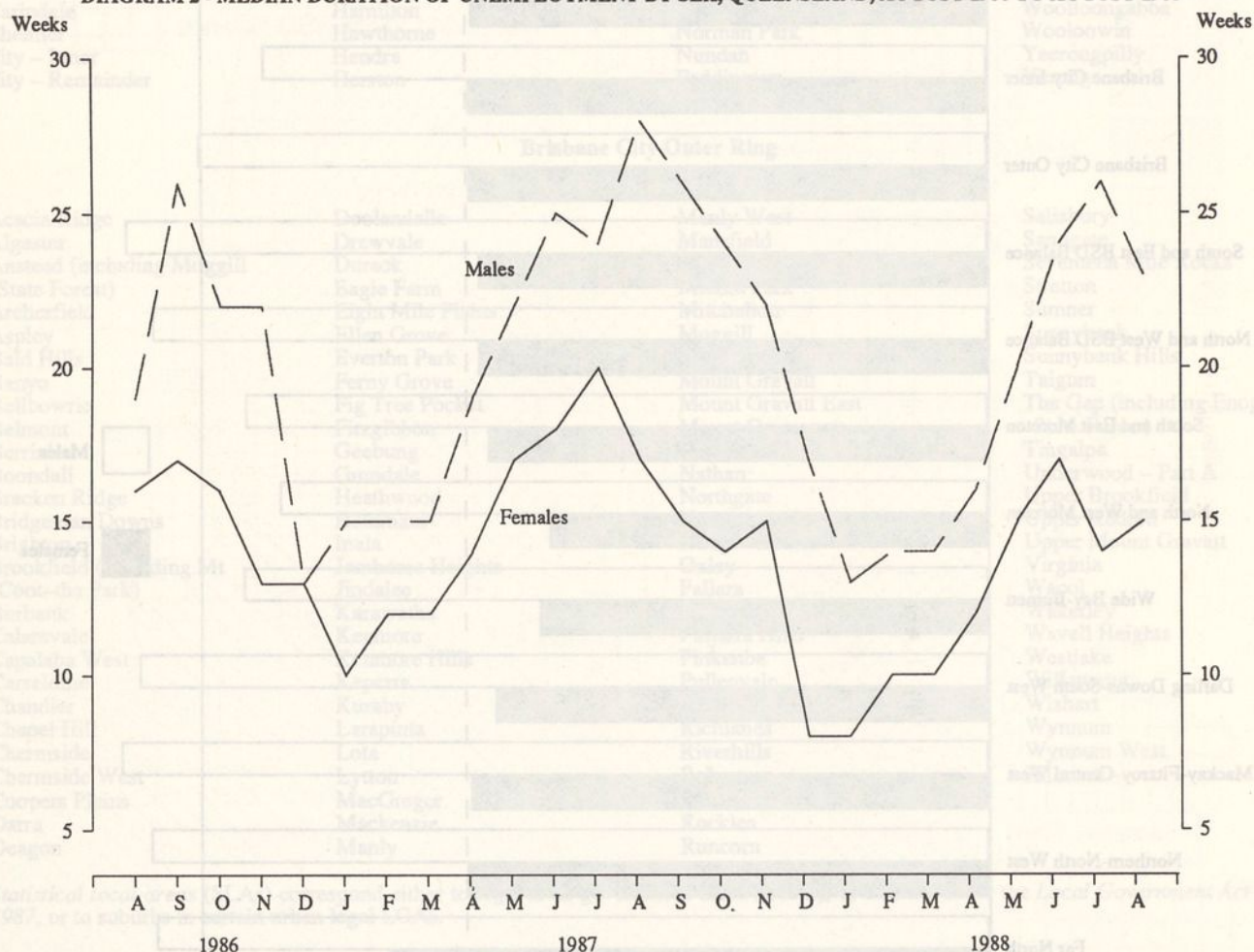
A gradual reduction in unemployment levels has been evident over recent months, with the trend estimate of unemployed persons in Queensland in August 1988 falling to 7.5 per cent.

The unadjusted unemployment rate for married females was 5.3 per cent and for not married females 11.1 per cent, while the comparable figures for married and not married males were 4.9 and 10.7 per cent, respectively.

The teenage unemployment rate, although still comparatively high, has improved from 21.0 per cent in August 1987 to 14.5 per cent in August 1988. The unemployment rate for 25 to 44 year olds in August 1988 was 5.5 per cent.

The median duration of unemployment in August 1988 was 18 weeks compared with 24 weeks recorded at this time last year. Over the same period the number of persons unemployed for 1 year or longer fell from 30,300 to 21,800. Males continue to be out of work for longer periods than females.

DIAGRAM 2 - MEDIAN DURATION OF UNEMPLOYMENT BY SEX, QUEENSLAND, AUGUST 1986 TO AUGUST 1988



Women in the Labour Force

There were an estimated 503,200 women in the Queensland labour force in August 1988 and 310,000 or 61.7 per cent were married or a family head.

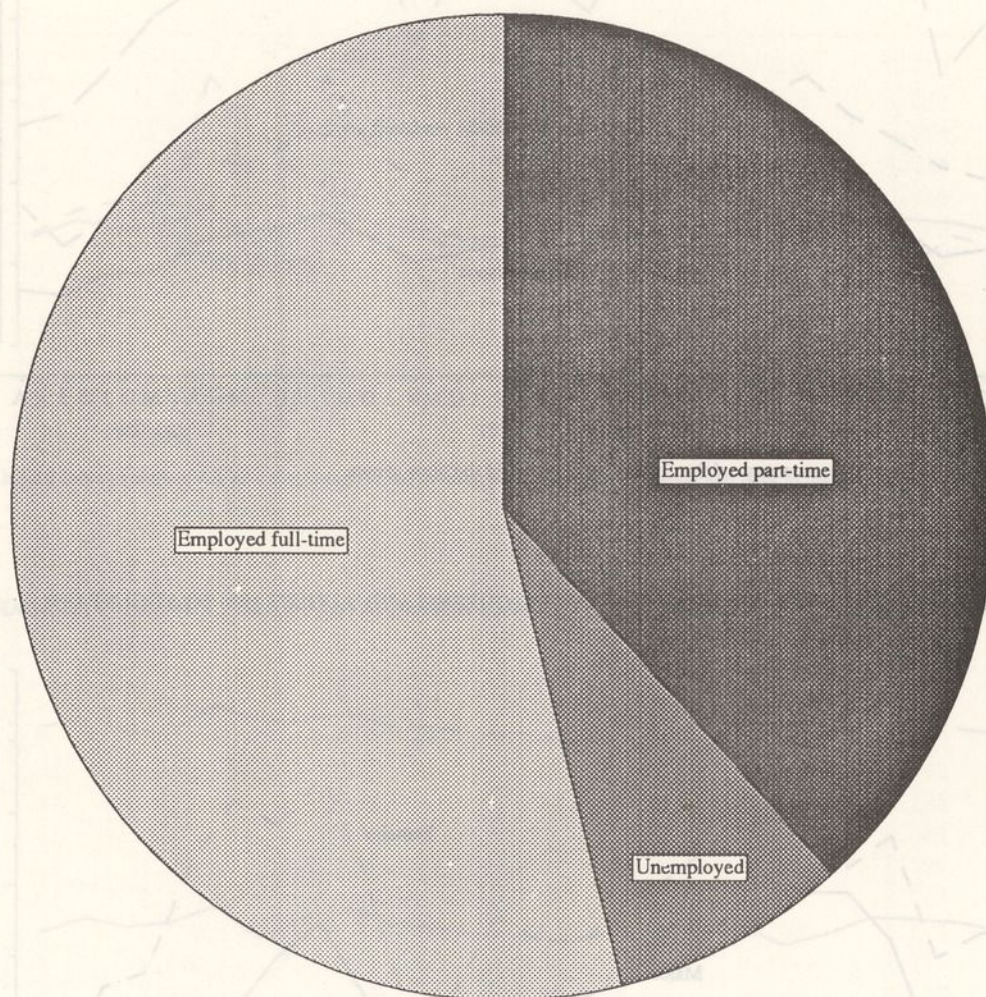
Of the estimated 155,500 women in the labour force with children aged under 15 years, 36.4 per cent were employed full-time and 56.9 per cent part-time. Of the 10,500 unemployed in this group, 62.9 per cent were looking for full-time work and 37.1 per cent were looking for part-time work.

In contrast, of the 154,800 women in the labour force who were married or a family head but without dependent children, 59.2 per cent were employed full-time while 36.2 per cent were employed part-time. The majority (87.5 per cent) of unemployed women in this group were looking for full-time work.

Summary of Findings (continued)

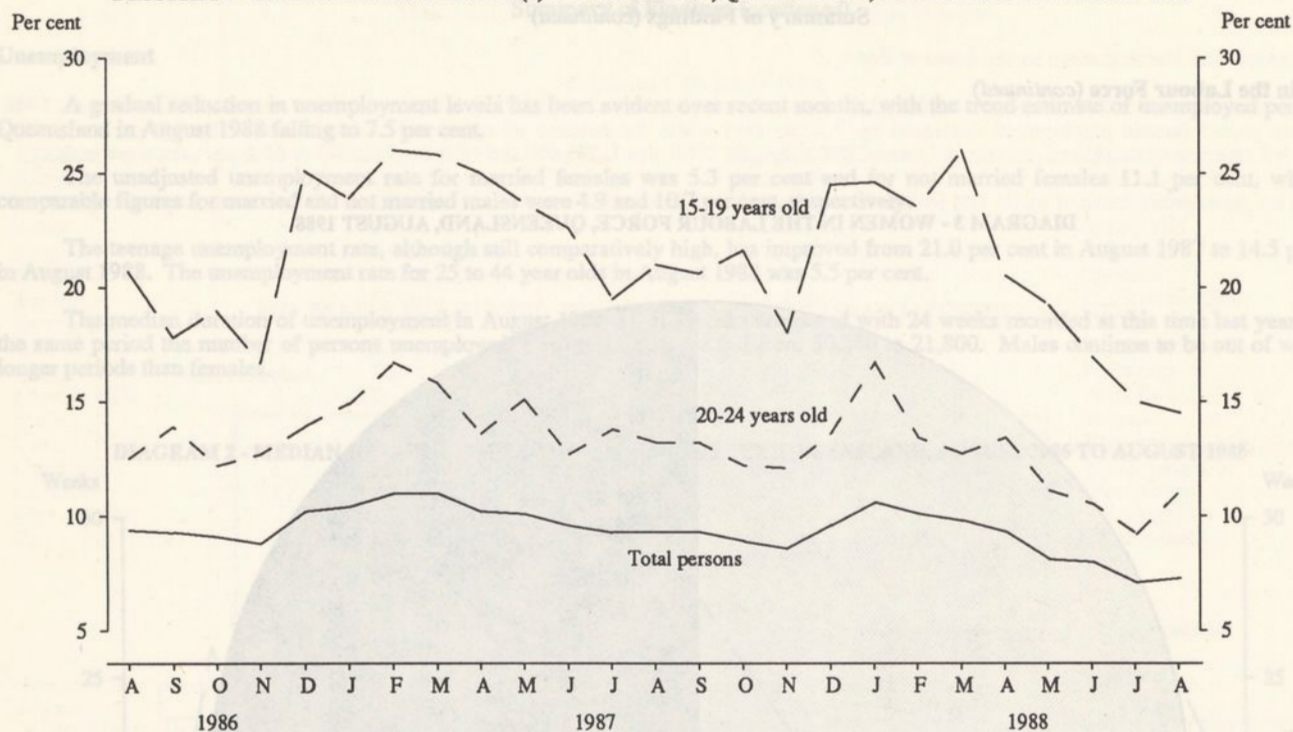
Women in the Labour Force (continued)

DIAGRAM 3 - WOMEN IN THE LABOUR FORCE, QUEENSLAND, AUGUST 1988



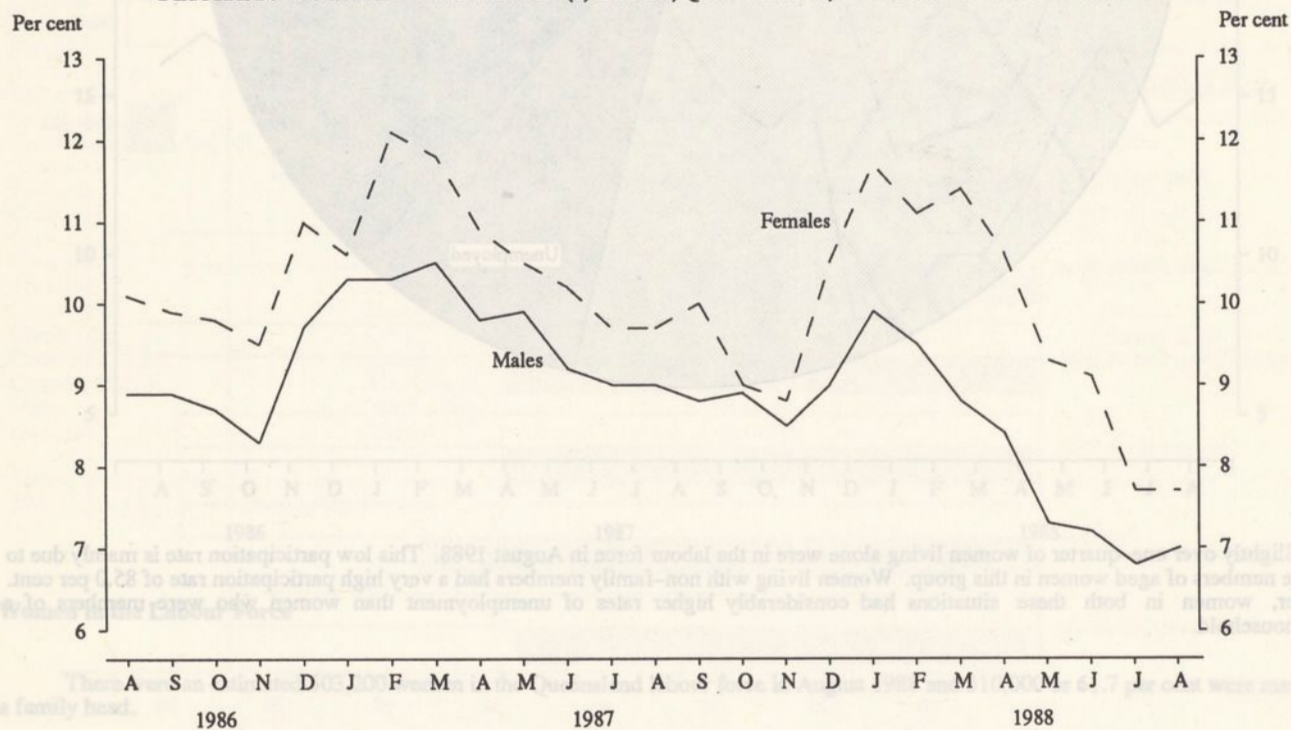
Slightly over one-quarter of women living alone were in the labour force in August 1988. This low participation rate is mainly due to the large numbers of aged women in this group. Women living with non-family members had a very high participation rate of 85.0 per cent. However, women in both these situations had considerably higher rates of unemployment than women who were members of a family household.

DIAGRAM 4 - UNEMPLOYMENT RATES (a) BY AGE GROUP, QUEENSLAND, AUGUST 1986 TO AUGUST 1988



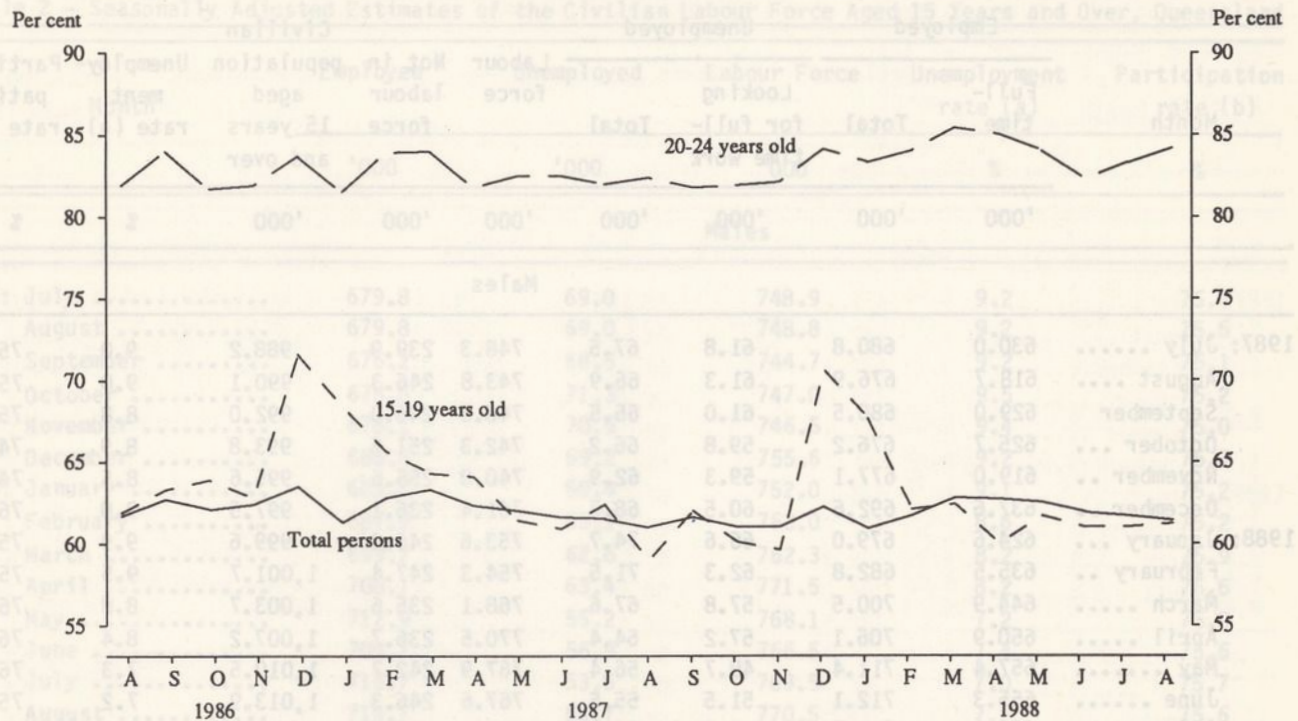
(a) The unemployed in each group as a percentage of the civilian labour force in the same group.

DIAGRAM 5 - UNEMPLOYMENT RATES (a) BY SEX, QUEENSLAND, AUGUST 1986 TO AUGUST 1988



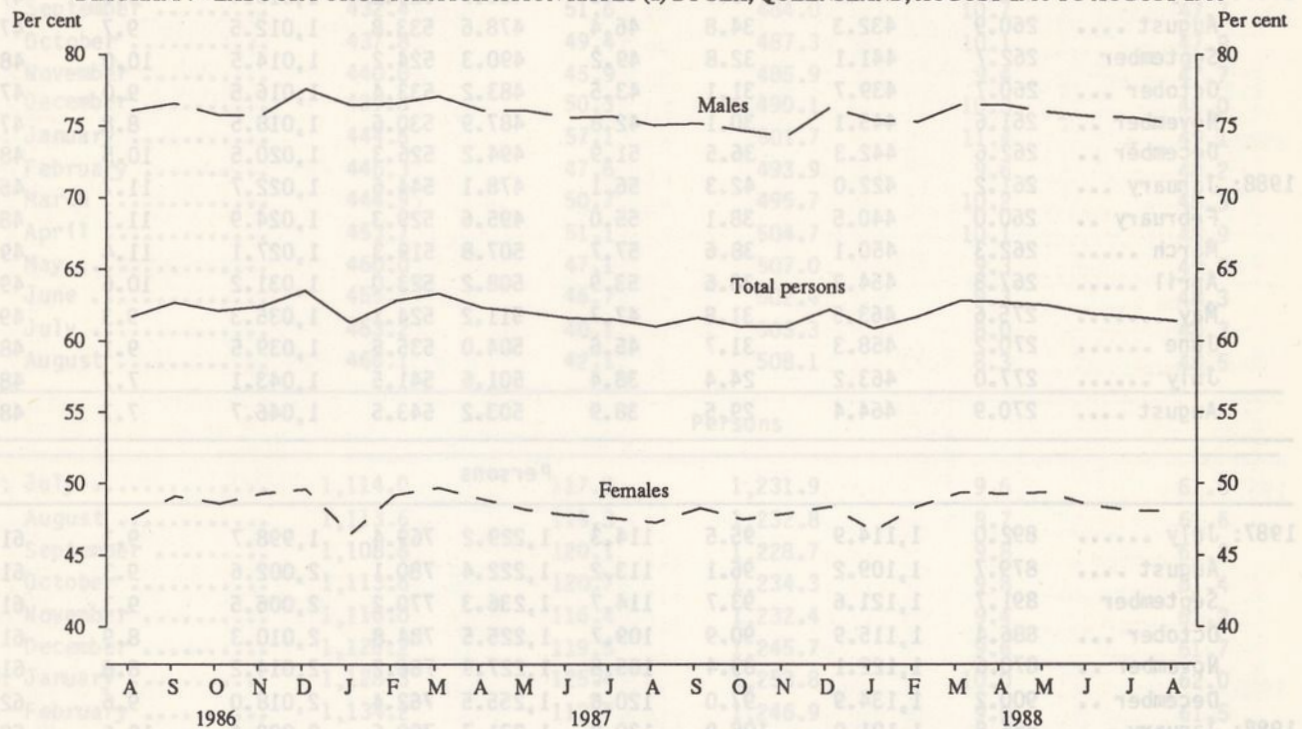
(a) The unemployed in each group as a percentage of the civilian labour force in the same group.

DIAGRAM 6 - LABOUR FORCE PARTICIPATION RATES (a) BY AGE GROUP, QUEENSLAND, AUGUST 1986 TO AUGUST 1988



(a) The labour force in each group as a percentage of the civilian population aged 15 years and over in the same group.

DIAGRAM 7 - LABOUR FORCE PARTICIPATION RATES (a) BY SEX, QUEENSLAND, AUGUST 1986 TO AUGUST 1988



(a) The labour force in each group as a percentage of the civilian population aged 15 years and over in the same group.

Table 1 - Labour Force Status of the Civilian Population Aged 15 Years and Over, Queensland

Month	Employed		Unemployed		Labour force	Not in labour force	Civilian population aged 15 years and over	Unemployment rate (a)	Participation rate (b)
	Full-time	Total	Looking for full-time work	Total					
	'000	'000	'000	'000	'000	'000	'000	%	%
Males									
1987: July	630.0	680.8	61.8	67.5	748.3	239.9	988.2	9.0	75.7
August	618.7	676.9	61.3	66.9	743.8	246.3	990.1	9.0	75.1
September	629.0	680.5	61.0	65.5	746.0	246.0	992.0	8.8	75.2
October	625.7	676.2	59.8	66.2	742.3	251.5	993.8	8.9	74.7
November	619.0	677.1	59.3	62.9	740.0	255.6	995.6	8.5	74.3
December	637.6	692.6	60.5	68.7	761.4	236.1	997.5	9.0	76.3
1988: January	624.6	679.0	66.6	74.7	753.6	246.0	999.6	9.9	75.4
February	635.5	682.8	62.3	71.5	754.3	247.4	1,001.7	9.5	75.3
March	644.9	700.5	57.8	67.6	768.1	235.6	1,003.7	8.8	76.5
April	650.9	706.1	57.2	64.4	770.5	236.7	1,007.2	8.4	76.5
May	657.4	711.4	49.7	56.4	767.9	242.7	1,010.5	7.3	76.0
June	655.3	712.1	51.5	55.5	767.6	246.3	1,013.9	7.2	75.7
July	664.5	716.7	48.3	52.4	769.1	247.7	1,016.8	6.8	75.6
August	656.2	712.0	49.5	53.9	765.9	253.8	1,019.7	7.0	75.1
Females									
1987: July	262.0	434.1	33.6	46.8	480.9	529.5	1,010.4	9.7	47.6
August	260.9	432.3	34.8	46.4	478.6	533.8	1,012.5	9.7	47.3
September	262.7	441.1	32.8	49.2	490.3	524.2	1,014.5	10.0	48.3
October	260.7	439.7	31.1	43.5	483.2	533.4	1,016.5	9.0	47.5
November	251.6	445.1	30.1	42.8	487.9	530.6	1,018.5	8.8	47.9
December	262.6	442.3	36.5	51.9	494.2	526.3	1,020.5	10.5	48.4
1988: January	261.2	422.0	42.3	56.1	478.1	544.6	1,022.7	11.7	46.7
February	260.0	440.5	38.1	55.0	495.6	529.3	1,024.9	11.1	48.4
March	262.3	450.1	38.6	57.7	507.8	519.3	1,027.1	11.4	49.4
April	267.8	454.3	38.6	53.9	508.2	523.0	1,031.2	10.6	49.3
May	275.6	463.5	31.8	47.7	511.2	524.1	1,035.3	9.3	49.4
June	270.2	458.3	31.7	45.6	504.0	535.5	1,039.5	9.1	48.5
July	277.0	463.2	24.4	38.4	501.6	541.5	1,043.1	7.7	48.1
August	270.9	464.4	29.5	38.9	503.2	543.5	1,046.7	7.7	48.1
Persons									
1987: July	892.0	1,114.9	95.5	114.3	1,229.2	769.4	1,998.7	9.3	61.5
August	879.7	1,109.2	96.1	113.2	1,222.4	780.1	2,002.6	9.3	61.0
September	891.7	1,121.6	93.7	114.7	1,236.3	770.2	2,006.5	9.3	61.6
October	886.4	1,115.9	90.9	109.7	1,225.5	784.8	2,010.3	8.9	61.0
November	870.6	1,122.1	89.4	105.8	1,227.9	786.2	2,014.2	8.6	61.0
December	900.2	1,134.9	97.0	120.6	1,255.5	762.4	2,018.0	9.6	62.2
1988: January	885.8	1,101.0	108.9	130.8	1,231.7	790.6	2,022.4	10.6	60.9
February	895.5	1,123.3	100.4	126.5	1,249.9	776.7	2,026.6	10.1	61.7
March	907.3	1,150.7	96.4	125.3	1,275.9	754.8	2,030.8	9.8	62.8
April	918.7	1,160.4	95.7	118.3	1,278.7	759.7	2,038.4	9.3	62.7
May	933.0	1,174.9	81.5	104.2	1,279.1	766.8	2,045.9	8.1	62.5
June	925.4	1,170.5	83.2	101.1	1,271.6	781.8	2,053.4	8.0	61.9
July	941.4	1,179.9	72.7	90.8	1,270.7	789.1	2,059.9	7.1	61.7
August	927.1	1,176.4	79.0	92.8	1,269.1	797.3	2,066.4	7.3	61.4

(a) The number of unemployed in each group as a percentage of the labour force in the same group.

(b) The labour force in each group as a percentage of the civilian population aged 15 years and over in the same group.

Table 2 - Seasonally Adjusted Estimates of the Civilian Labour Force Aged 15 Years and Over, Queensland

Month	Employed	Unemployed	Labour Force	Unemployment rate (a)	Participation rate (b)
	'000	'000	'000	%	%
Males					
1987: July	679.8	69.0	748.9	9.2	75.8
August	679.8	69.0	748.8	9.2	75.6
September	676.2	68.5	744.7	9.2	75.1
October	675.8	71.3	747.0	9.5	75.2
November	676.1	70.5	746.5	9.4	75.0
December	686.4	69.2	755.6	9.2	75.7
1988: January	683.7	68.4	752.0	9.1	75.2
February	687.9	65.1	753.0	8.6	75.2
March	699.7	62.6	762.3	8.2	75.9
April	708.1	63.4	771.5	8.2	76.6
May	712.9	55.2	768.1	7.2	76.0
June	709.7	56.9	766.5	7.4	75.6
July	715.7	53.6	769.5	7.0	75.7
August	714.7	55.7	770.5	7.2	75.6
Females					
1987: July	434.2	48.9	483.1	10.1	47.8
August	433.8	50.2	484.1	10.4	47.8
September	432.4	51.6	484.0	10.7	47.7
October	437.8	49.4	487.3	10.1	47.9
November	440.0	45.9	485.9	9.4	47.7
December	439.8	50.3	490.1	10.3	48.0
1988: January	444.6	57.1	501.7	11.4	49.1
February	446.3	47.6	493.9	9.6	48.2
March	444.9	50.7	495.7	10.2	48.3
April	453.7	51.1	504.7	10.1	48.9
May	460.0	47.1	507.0	9.3	49.0
June	455.7	46.7	502.4	9.3	48.3
July	463.2	40.1	503.3	8.0	48.3
August	466.1	42.1	508.1	8.3	48.5
Persons					
1987: July	1,114.0	117.9	1,231.9	9.6	61.6
August	1,113.6	119.3	1,232.8	9.7	61.6
September	1,108.6	120.1	1,228.7	9.8	61.2
October	1,113.6	120.7	1,234.3	9.8	61.4
November	1,116.0	116.4	1,232.4	9.4	61.2
December	1,126.2	119.5	1,245.7	9.6	61.7
1988: January	1,128.3	125.4	1,253.8	10.0	62.0
February	1,134.2	112.7	1,246.9	9.0	61.5
March	1,144.6	113.4	1,258.0	9.0	61.9
April	1,161.7	114.5	1,276.2	9.0	62.6
May	1,172.9	102.3	1,275.2	8.0	62.3
June	1,165.4	103.6	1,269.0	8.2	61.8
July	1,179.1	93.7	1,272.8	7.4	61.8
August	1,180.8	97.8	1,278.6	7.6	61.9

(a) The number of unemployed in each group as a percentage of the labour force in the same group.

(b) The labour force in each group as a percentage of the civilian population aged 15 years and over in the same group.

Table 3 - Trend Estimates of the Civilian Labour Force Aged 15 Years and Over, Queensland

Month	Employed '000	Unemployed '000	Labour Force '000	Unemployment rate (a) %	Participation rate (b) %
Males					
1987: July	677.1	70.1	747.2	9.4	75.6
August	677.1	69.7	746.8	9.3	75.4
September	677.2	69.8	746.9	9.3	75.3
October	677.5	69.9	747.4	9.3	75.2
November	678.8	69.8	748.6	9.3	75.2
December	681.7	69.1	750.8	9.2	75.3
1988: January	686.3	67.8	754.1	9.0	75.4
February	692.3	65.7	758.0	8.7	75.7
March	698.6	63.2	761.7	8.3	75.9
April	704.2	60.7	764.9	7.9	75.9
May	708.9	58.4	767.3	7.6	75.9
June	712.5	56.5	769.0	7.4	75.9
July	715.3	55.0	770.3	7.1	75.8
August	717.0	54.0	771.0	7.0	75.6
Females					
1987: July	432.5	49.9	482.4	10.3	47.7
August	433.3	49.6	483.0	10.3	47.7
September	434.9	49.6	484.4	10.2	47.8
October	436.7	49.7	486.5	10.2	47.9
November	438.7	50.1	488.8	10.3	48.0
December	440.8	50.6	491.5	10.3	48.2
1988: January	443.3	51.1	494.4	10.3	48.3
February	446.0	51.2	497.3	10.3	48.5
March	449.1	50.7	499.7	10.1	48.7
April	452.4	49.2	501.6	9.8	48.6
May	455.9	47.3	503.2	9.4	48.6
June	459.2	45.3	504.5	9.0	48.5
July	462.2	43.4	505.6	8.6	48.5
August	464.7	42.2	506.9	8.3	48.4
Persons					
1987: July	1,109.6	120.0	1,229.6	9.8	61.5
August	1,110.5	119.3	1,229.8	9.7	61.4
September	1,112.0	119.3	1,231.4	9.7	61.4
October	1,114.3	119.6	1,233.9	9.7	61.4
November	1,117.5	119.9	1,237.4	9.7	61.4
December	1,122.5	119.7	1,242.2	9.6	61.6
1988: January	1,129.6	118.8	1,248.4	9.5	61.7
February	1,138.3	116.9	1,255.2	9.3	61.9
March	1,147.6	113.8	1,261.5	9.0	62.1
April	1,156.7	109.9	1,266.5	8.7	62.1
May	1,164.8	105.7	1,270.5	8.3	62.1
June	1,171.7	101.8	1,273.6	8.0	62.0
July	1,177.5	98.5	1,275.9	7.7	61.9
August	1,181.7	96.2	1,277.9	7.5	61.8

(a) The number of unemployed in each group as a percentage of the labour force in the same group.

(b) The labour force in each group as a percentage of the civilian population aged 15 years and over in the same group.

Table 4 - Labour Force Status of the Civilian Population Aged 15 Years and Over in Labour Force Regions, Queensland, June 1988

Region	Employed '000	Unemployed '000	Labour force '000	Not in labour force '000	Unemployment rate (a) %	Participa- tion rate (b) %
Males						
<u>Brisbane Statistical Division ..</u>	<u>322.9</u>	<u>21.7</u>	<u>344.6</u>	<u>112.1</u>	<u>6.3</u>	<u>75.5</u>
Brisbane City Inner Ring	96.9	7.2	104.2	44.8	7.0	69.9
Brisbane City Outer Ring	106.8	5.1	111.9	37.7	4.5	74.8
South and East BSD Balance ...	54.8	3.7	58.5	12.2	6.3	82.8
North and West BSD Balance ...	64.4	5.7	70.1	17.4	8.2	80.1
<u>Balance of Queensland</u>	<u>389.2</u>	<u>33.8</u>	<u>423.0</u>	<u>134.2</u>	<u>8.0</u>	<u>75.9</u>
South and East Moreton	61.0	3.8	64.9	23.9	5.9	73.1
North and West Moreton	46.9	6.4	53.4	27.3	12.0	66.1
Wide Bay-Burnett	46.0	3.8	49.8	19.1	7.5	72.2
Darling Downs-South West	54.9	2.8	57.7	15.3	4.9	79.0
Mackay-Fitzroy-Central West ..	75.4	8.1	83.6	16.9	9.7	83.1
Northern-North West	58.7	4.0	62.7	16.3	6.5	79.3
Far North	46.2	4.7	50.9	15.3	9.2	76.9
<u>Total Queensland</u>	<u>712.1</u>	<u>55.5</u>	<u>767.6</u>	<u>246.3</u>	<u>7.2</u>	<u>75.7</u>
Females						
<u>Brisbane Statistical Division ..</u>	<u>221.6</u>	<u>18.1</u>	<u>239.7</u>	<u>248.7</u>	<u>7.6</u>	<u>49.1</u>
Brisbane City Inner Ring	74.4	4.0	78.4	80.3	5.1	49.4
Brisbane City Outer Ring	70.6	5.5	76.1	83.0	7.2	47.8
South and East BSD Balance ...	35.7	3.3	38.9	37.3	8.4	51.1
North and West BSD Balance ...	40.9	5.3	46.3	48.1	11.5	49.0
<u>Balance of Queensland</u>	<u>236.8</u>	<u>27.5</u>	<u>264.3</u>	<u>286.8</u>	<u>10.4</u>	<u>48.0</u>
South and East Moreton	41.3	4.2	45.4	49.2	9.2	48.0
North and West Moreton	31.6	4.2	35.8	43.3	11.8	45.3
Wide Bay-Burnett	26.6	3.5	30.1	38.0	11.6	44.2
Darling Downs-South West	31.2	* 2.6	33.8	39.4	* 7.7	46.2
Mackay-Fitzroy-Central West ..	44.5	6.0	50.5	49.8	11.8	50.3
Northern-North West	33.2	4.2	37.4	37.2	11.2	50.2
Far North	28.4	* 2.9	31.2	30.0	* 9.1	51.0
<u>Total Queensland</u>	<u>458.3</u>	<u>45.6</u>	<u>504.0</u>	<u>535.5</u>	<u>9.1</u>	<u>48.5</u>
Persons						
<u>Brisbane Statistical Division ..</u>	<u>544.5</u>	<u>39.9</u>	<u>584.4</u>	<u>360.8</u>	<u>6.8</u>	<u>61.8</u>
Brisbane City Inner Ring	171.3	11.3	182.6	125.1	6.2	59.3
Brisbane City Outer Ring	177.4	10.6	188.0	120.7	5.6	60.9
South and East BSD Balance ...	90.4	7.0	97.4	49.5	7.2	66.3
North and West BSD Balance ...	105.3	11.1	116.4	65.5	9.5	64.0
<u>Balance of Queensland</u>	<u>626.0</u>	<u>61.3</u>	<u>687.2</u>	<u>421.0</u>	<u>8.9</u>	<u>62.0</u>
South and East Moreton	102.3	8.0	110.3	73.0	7.3	60.2
North and West Moreton	78.5	10.6	89.2	70.6	11.9	55.8
Wide Bay-Burnett	72.7	7.3	79.9	57.1	9.1	58.3
Darling Downs-South West	86.1	5.5	91.5	54.7	6.0	62.6
Mackay-Fitzroy-Central West ..	119.9	14.1	134.0	66.7	10.5	66.8
Northern-North West	91.9	8.2	100.1	53.5	8.2	65.2
Far North	74.6	7.5	82.2	45.3	9.2	64.5
<u>Total Queensland</u>	<u>1,170.5</u>	<u>101.1</u>	<u>1,271.6</u>	<u>781.8</u>	<u>8.0</u>	<u>61.9</u>

(a) The number of unemployed in each group as a percentage of the labour force in the same group.

(b) The labour force in each group as a percentage of the civilian population aged 15 years and over in the same group.

Table 5 - Labour Force Status of the Civilian Population Aged 15 Years and Over in Labour Force Regions, Queensland, July 1988

Region	Employed	Unemployed	Labour force	Not in labour force	Unemployment rate (a)	Participation rate (b)
	'000	'000	'000	'000	%	%
Males						
Brisbane Statistical Division ..	321.1	20.8	341.9	116.1	6.1	74.7
Brisbane City Inner Ring	93.7	7.3	101.0	46.3	7.2	68.6
Brisbane City Outer Ring	107.5	3.9	111.4	37.1	3.5	75.0
South and East BSD Balance ...	56.6	4.0	60.7	13.3	6.6	82.1
North and West BSD Balance ...	63.3	5.6	68.9	19.3	8.1	78.1
Balance of Queensland	395.6	31.6	427.2	131.6	7.4	76.4
South and East Moreton	64.1	4.7	68.8	25.1	6.8	73.2
North and West Moreton	45.3	5.7	50.9	24.6	11.1	67.4
Wide Bay-Burnett	45.0	3.7	48.7	20.2	7.6	70.7
Darling Downs-South West	54.5	3.3	57.7	14.6	5.6	79.8
Mackay-Fitzroy-Central West ..	77.7	7.4	85.1	17.6	8.7	82.9
Northern-North West	62.0	* 3.5	65.5	14.6	* 5.4	81.8
Far North	47.1	* 3.4	50.5	15.0	* 6.8	77.1
Total Queensland	716.7	52.4	769.1	247.7	6.8	75.6
Females						
Brisbane Statistical Division ..	222.0	13.9	235.9	254.3	5.9	48.1
Brisbane City Inner Ring	72.6	3.8	76.5	82.5	5.0	48.1
Brisbane City Outer Ring	71.4	4.4	75.8	82.5	5.8	47.9
South and East BSD Balance ...	35.5	* 2.4	37.9	39.8	* 6.3	48.8
North and West BSD Balance ...	42.4	3.2	45.7	49.5	7.1	48.0
Balance of Queensland	241.2	24.5	265.8	287.2	9.2	48.1
South and East Moreton	45.3	3.9	49.1	48.5	7.8	50.3
North and West Moreton	29.9	2.8	32.7	42.1	8.5	43.7
Wide Bay-Burnett	28.1	2.9	31.0	36.3	9.3	46.1
Darling Downs-South West	32.0	* 2.4	34.3	39.1	* 6.9	46.8
Mackay-Fitzroy-Central West ..	42.2	6.2	48.3	52.6	12.7	47.9
Northern-North West	32.6	* 3.3	35.9	41.4	* 9.3	46.4
Far North	31.2	* 3.2	34.4	27.2	* 9.2	55.9
Total Queensland	463.2	38.4	501.6	541.5	7.7	48.1
Persons						
Brisbane Statistical Division ..	543.1	34.7	577.8	370.3	6.0	60.9
Brisbane City Inner Ring	166.4	11.1	177.5	128.8	6.3	57.9
Brisbane City Outer Ring	178.9	8.3	187.2	119.7	4.4	61.0
South and East BSD Balance ...	92.2	6.4	98.6	53.0	6.5	65.0
North and West BSD Balance ...	105.7	8.8	114.5	68.9	7.7	62.5
Balance of Queensland	636.8	56.2	692.9	418.8	8.1	62.3
South and East Moreton	109.4	8.6	117.9	73.6	7.3	61.6
North and West Moreton	75.1	8.4	83.6	66.7	10.1	55.6
Wide Bay-Burnett	73.1	6.6	79.7	56.5	8.3	58.5
Darling Downs-South West	86.4	5.6	92.1	53.6	6.1	63.2
Mackay-Fitzroy-Central West ..	119.8	13.5	133.4	70.2	10.2	65.5
Northern-North West	94.6	6.9	101.5	56.0	6.8	64.4
Far North	78.3	6.6	84.9	42.1	7.8	66.8
Total Queensland	1,179.9	90.8	1,270.7	789.1	7.1	61.7

(a) The number of unemployed in each group as a percentage of the labour force in the same group.

(b) The labour force in each group as a percentage of the civilian population aged 15 years and over in the same group.

Table 6 - Labour Force Status of the Civilian Population Aged 15 Years and Over in Labour Force Regions, Queensland, August 1988

Region	Employed	Unemployed	Labour force	Not in labour force	Unemployment rate (a)	Participation rate (b)
	'000	'000	'000	'000	%	%
Males						
Brisbane Statistical Division ..	319.1	23.7	342.8	116.5	6.9	74.6
Brisbane City Inner Ring	93.0	6.8	99.8	46.1	6.8	68.4
Brisbane City Outer Ring	105.9	4.8	110.7	37.6	4.4	74.6
South and East BSD Balance ...	56.1	4.6	60.7	13.8	7.6	81.5
North and West BSD Balance ...	64.1	7.5	71.6	19.0	10.4	79.0
Balance of Queensland	392.9	30.2	423.1	137.3	7.1	75.5
South and East Moreton	61.4	3.8	65.2	27.8	5.9	70.1
North and West Moreton	46.5	4.1	50.6	25.0	8.1	66.9
Wide Bay-Burnett	42.3	5.3	47.6	20.1	11.0	70.3
Darling Downs-South West	59.8	2.9	62.7	15.5	4.6	80.2
Mackay-Fitzroy-Central West ..	74.6	6.3	80.9	17.9	7.8	81.9
Northern-North West	59.0	3.6	62.6	16.5	5.7	79.1
Far North	49.3	4.2	53.5	14.6	7.9	78.6
Total Queensland	712.0	53.9	765.9	253.8	7.0	75.1
Females						
Brisbane Statistical Division ..	223.4	16.7	240.0	251.8	6.9	48.8
Brisbane City Inner Ring	72.8	5.8	78.6	81.4	7.4	49.1
Brisbane City Outer Ring	73.0	3.9	76.9	79.6	5.1	49.1
South and East BSD Balance ...	34.8	* 2.1	36.9	39.7	* 5.8	48.2
North and West BSD Balance ...	42.8	4.8	47.6	51.2	10.1	48.2
Balance of Queensland	241.0	22.2	263.2	291.7	8.4	47.4
South and East Moreton	42.1	3.3	45.3	50.4	7.2	47.3
North and West Moreton	29.3	3.0	32.3	45.8	9.3	41.4
Wide Bay-Burnett	24.9	2.8	27.7	37.8	10.1	42.3
Darling Downs-South West	31.8	3.4	35.1	40.2	9.5	46.6
Mackay-Fitzroy-Central West ..	43.0	4.6	47.6	49.6	9.6	48.9
Northern-North West	37.2	* 2.3	39.5	40.7	* 5.8	49.3
Far North	32.8	* 2.9	35.7	27.2	* 8.2	56.8
Total Queensland	464.4	38.9	503.2	543.5	7.7	48.1
Persons						
Brisbane Statistical Division ..	542.4	40.4	582.8	368.3	6.9	61.3
Brisbane City Inner Ring	165.8	12.6	178.4	127.4	7.1	58.3
Brisbane City Outer Ring	178.9	8.8	187.7	117.2	4.7	61.6
South and East BSD Balance ...	90.9	6.7	97.6	53.5	6.9	64.6
North and West BSD Balance ...	106.9	12.2	119.2	70.1	10.3	63.0
Balance of Queensland	633.9	52.4	686.3	429.0	7.6	61.5
South and East Moreton	103.4	7.1	110.5	78.2	6.4	58.6
North and West Moreton	75.9	7.1	83.0	70.9	8.5	53.9
Wide Bay-Burnett	67.2	8.0	75.3	57.9	10.7	56.5
Darling Downs-South West	91.6	6.2	97.8	55.7	6.4	63.7
Mackay-Fitzroy-Central West ..	117.6	10.9	128.5	67.5	8.5	65.6
Northern-North West	96.1	5.9	102.0	57.2	5.8	64.1
Far North	82.1	7.1	89.2	41.7	8.0	68.1
Total Queensland	1,176.4	92.8	1,269.1	797.3	7.3	61.4

(a) The number of unemployed in each group as a percentage of the labour force in the same group.

(b) The labour force in each group as a percentage of the civilian population aged 15 years and over in the same group.

Table 7 - Labour Force Status of the Civilian Population Aged 15 Years and Over in Labour Force Regions by Age Group, Queensland, August 1988

Age group (years)	Employed	Unemployed	Labour force	Not in labour force	Unemployment rate (a)	Partici- pation rate (b)
	'000	'000	'000	'000	%	%
Brisbane Statistical Division						
15-24 years	132.4	19.7	152.1	58.3	13.0	72.3
15-19 years	57.6	10.3	67.8	44.0	15.1	60.7
20-24 years	74.9	9.5	84.3	14.4	11.2	85.4
25-44 years	281.9	13.0	294.9	87.5	4.4	77.1
45 years and over	128.2	7.6	135.8	222.5	5.6	37.9
<u>Total</u>	542.4	40.4	582.8	368.3	6.9	61.3
Brisbane City Inner Ring						
15-24 years	48.0	7.4	55.4	18.9	13.3	74.6
15-19 years	19.1	3.3	22.4	14.7	14.7	60.4
20-24 years	28.9	4.1	33.0	4.2	12.4	88.6
25-44 years	78.3	3.5	81.8	20.9	4.2	79.6
45 years and over	39.5	* 1.8	41.2	87.6	* 4.3	32.0
<u>Total</u>	165.8	12.6	178.4	127.4	7.1	58.3
Brisbane City Outer Ring						
15-24 years	42.2	4.1	46.3	18.3	8.8	71.6
15-19 years	19.3	2.8	22.1	14.1	12.7	61.0
20-24 years	22.9	* 1.3	24.2	4.2	* 5.3	85.2
25-44 years	87.1	3.3	90.3	27.2	3.6	76.8
45 years and over	49.6	* 1.4	51.0	71.6	* 2.7	41.6
<u>Total</u>	178.9	8.8	187.7	117.2	4.7	61.6
South and East BSD Balance						
15-24 years	19.8	2.5	22.4	10.5	11.3	68.1
15-19 years	9.7	* 1.4	11.1	7.0	* 12.2	61.3
20-24 years	10.1	* 1.2	11.3	3.5	* 10.4	76.3
25-44 years	54.1	* 2.4	56.5	19.2	* 4.3	74.7
45 years and over	16.9	* 1.8	18.7	23.8	* 9.5	44.0
<u>Total</u>	90.9	6.7	97.6	53.5	6.9	64.6
North and West BSD Balance						
15-24 years	22.4	5.7	28.1	10.6	20.3	72.6
15-19 years	9.5	2.8	12.3	8.2	22.8	60.0
20-24 years	12.9	2.9	15.9	* 2.4	18.4	86.8
25-44 years	62.4	3.8	66.2	20.1	5.8	76.7
45 years and over	22.1	2.7	24.8	39.4	10.8	38.6
<u>Total</u>	106.9	12.2	119.2	70.1	10.3	63.0

Table 7 - Labour Force Status of the Civilian Population Aged 15 Years and Over in Labour Force Regions by Age Group, Queensland, August 1988 (continued)

Age group (years)	Employed '000	Unemployed '000	Labour force '000	Not in labour force '000	Unemployment rate (a) %	Partici- pation rate (b) %
Balance of Queensland						
15-24 years	152.4	21.5	173.9	68.9	12.3	71.6
15-19 years	68.8	11.1	79.9	49.7	13.9	61.7
20-24 years	33.6	10.4	94.0	19.2	11.0	83.0
25-44 years	328.5	22.6	351.1	97.0	6.4	78.4
45 years and over	153.0	8.3	161.3	263.2	5.2	38.0
<u>Total</u>	633.9	52.4	686.3	429.0	7.6	61.5
South and East Moreton						
15-24 years	25.8	* 2.3	28.1	8.4	* 8.1	76.9
15-19 years	12.0	* 0.5	12.5	6.1	* 4.1	67.1
20-24 years	13.8	* 1.8	15.6	* 2.3	* 11.3	87.1
25-44 years	55.6	3.6	59.2	11.2	6.1	84.1
45 years and over	22.0	* 1.2	23.2	58.6	* 5.3	28.4
<u>Total</u>	103.4	7.1	110.5	78.2	6.4	58.6
North and West Moreton						
15-24 years	16.6	* 2.4	19.0	6.9	* 12.4	73.4
15-19 years	8.0	* 1.2	9.2	5.2	* 12.9	63.8
20-24 years	8.6	* 1.2	9.7	* 1.6	* 11.9	85.7
25-44 years	39.6	3.0	42.5	13.6	6.9	75.8
45 years and over	19.7	* 1.8	21.4	50.4	* 8.2	29.8
<u>Total</u>	75.9	7.1	83.0	70.9	8.5	53.9
Wide Bay-Burnett						
15-24 years	13.8	3.2	17.0	8.8	18.9	65.8
15-19 years	6.5	* 1.4	8.0	7.3	* 18.0	52.3
20-24 years	7.3	* 1.8	9.1	* 1.6	* 19.6	85.4
25-44 years	34.3	3.6	37.9	9.8	9.5	79.5
45 years and over	19.1	* 1.2	20.3	39.2	* 6.1	34.1
<u>Total</u>	67.2	8.0	75.3	57.9	10.7	56.5
Darling Downs-South West						
15-24 years	21.9	3.1	25.0	10.4	12.4	70.7
15-19 years	9.9	* 2.3	12.2	7.9	* 19.2	60.8
20-24 years	12.0	* 0.8	12.8	* 2.5	* 6.0	83.7
25-44 years	44.2	* 2.4	46.6	15.4	* 5.2	75.1
45 years and over	25.6	* 0.7	26.3	29.9	* 2.6	46.8
<u>Total</u>	91.6	6.2	97.8	55.7	6.4	63.7

Table 7 - Labour Force Status of the Civilian Population Aged 15 Years and Over in Labour Force Regions by Age Group, Queensland, August 1988 (continued)

Age group (years)	Employed '000	Unemployed '000	Labour force '000	Not in labour force '000	Unemployment rate (a) %	Partici- pation rate (b) %
Mackay-Fitzroy-Central West						
15-24 years	30.8	4.5	35.2	12.4	12.7	74.0
15-19 years	12.3	* 2.9	15.3	8.3	* 19.1	64.9
20-24 years	18.4	* 1.6	20.0	* 4.1	* 7.8	83.0
25-44 years	63.0	5.2	68.2	23.7	7.6	74.2
45 years and over	23.9	* 1.2	25.1	31.5	* 5.0	44.4
<u>Total</u>	117.6	10.9	128.5	67.5	8.5	65.6
Northern-North West						
15-24 years	22.3	* 2.8	25.1	15.1	* 11.2	62.5
15-19 years	11.1	* 1.6	12.7	10.1	* 12.9	55.8
20-24 years	11.2	* 1.2	12.4	5.0	* 9.4	71.3
25-44 years	47.2	* 1.8	49.0	11.5	* 3.7	81.0
45 years and over	26.6	* 1.3	27.9	30.6	* 4.5	47.7
<u>Total</u>	96.1	5.9	102.0	57.2	5.8	64.1
Far North						
15-24 years	21.3	* 3.3	24.5	6.9	* 13.3	78.0
15-19 years	8.9	* 1.1	10.0	4.8	* 10.8	67.7
20-24 years	12.3	* 2.2	14.5	* 2.1	* 15.1	87.2
25-44 years	44.7	* 3.0	47.7	11.8	* 6.3	80.2
45 years and over	16.1	* 0.9	17.0	23.0	* 5.2	42.5
<u>Total</u>	82.1	7.1	89.2	41.7	8.0	68.1
Total Queensland						
15-24 years	284.9	41.2	326.1	127.2	12.6	71.9
15-19 years	126.4	21.4	147.8	93.7	14.5	61.2
20-24 years	158.5	19.8	178.3	33.6	11.1	84.2
25-44 years	610.4	35.6	646.0	184.4	5.5	77.8
45 years and over	281.1	16.0	297.1	485.6	5.4	38.0
<u>Total</u>	1,176.4	92.8	1,269.1	797.3	7.3	61.4

(a) The number of unemployed in each group as a percentage of the labour force in the same group.

(b) The labour force in each group as a percentage of the civilian population aged 15 years and over in the same group.

Table 8 - Labour Force Status of the Civilian Population Aged 15 Years and Over by Marital Status, Queensland, August 1988

Marital status	Employed		Unemployed		Labour force	Not in labour force	Civilian population aged 15 years and over	Unemployment rate (a)	Participation rate (b)
	Full-time	Total	Looking for full-time work	Total					
	'000	'000	'000	'000	'000	'000	'000	%	%
Males									
Married	440.8	460.5	23.1	23.8	484.3	139.9	624.1	4.9	77.6
Not married ...	215.3	251.5	26.4	30.1	281.6	114.0	395.6	10.7	71.2
Females									
Married	141.1	278.8	11.5	15.6	294.4	333.1	627.5	5.3	46.9
Not married ...	129.8	185.6	18.0	23.3	208.9	210.3	419.2	11.1	49.8
Persons									
Married	581.9	739.2	34.6	39.4	778.6	473.0	1,251.6	5.1	62.2
Not married ...	345.2	437.1	44.4	53.4	490.5	324.3	814.8	10.9	60.2

(a) The number of unemployed in each group as a percentage of the labour force in the same group.

(b) The labour force in each group as a percentage of the civilian population aged 15 years and over in the same group.

Table 9 - Labour Force Status of the Civilian Population Aged 15 Years and Over by Birthplace and Period of Arrival in Australia, Queensland, August 1988

Birthplace and period of arrival	Employed		Unemployed		Labour force	Not in labour force	Civilian population aged 15 years and over	Unemployment rate (a)	Participation rate (b)
	'000	'000	'000	'000	'000	'000	'000	%	%
Birthplace									
Born in Australia	975.3	72.9	1,048.2	614.8	1,663.0	7.0	63.0		
Born outside Australia	201.1	19.8	220.9	148.9	369.8	9.0	59.7		
Africa	7.5	* 1.2	8.7	3.1	11.8	* 13.5	73.7		
America	6.6	* 0.5	7.2	4.6	11.8	* 7.2	60.7		
Asia	19.2	3.2	22.4	19.0	41.4	14.4	54.0		
Europe	113.2	9.7	122.9	100.2	223.1	7.9	55.1		
U.K. and Ireland	73.6	6.5	80.2	62.7	142.9	8.1	56.1		
Other European countries	39.6	3.2	42.8	37.5	80.2	7.4	53.3		
Oceania	54.5	5.2	59.7	21.9	81.6	8.7	73.2		
New Zealand	43.6	4.7	48.3	15.1	63.4	9.8	76.2		
Period of arrival									
Before 1971	102.4	7.0	109.4	91.8	201.2	6.4	54.4		
1971-1975	25.9	3.1	29.0	16.9	45.9	10.6	63.2		
1976-1980	22.5	* 1.8	24.3	10.0	34.3	* 7.3	70.9		
1981-1985	28.5	3.1	31.6	16.0	47.6	9.8	66.4		
1986 to survey date	21.8	4.9	26.7	14.2	40.9	18.3	65.3		

(a) The number of unemployed in each group as a percentage of the labour force in the same group.

(b) The labour force in each group as a percentage of the civilian population aged 15 years and over in the same group.

Table 10 - Labour Force Status of the Civilian Population Aged 15 to 19 Years: Full-time Attendance at an Educational Institution, Queensland, August 1988

Sex	Employed '000	Unemployed '000	Labour force '000	Not in labour force '000	Civilian population aged 15 to 19 years '000	Unemploy- ment rate (a) %	Partici- pation rate (b) %
Attending Neither School Nor a Tertiary Educational Institution Full-time							
Males	47.6	6.9	54.5	* 2.0	56.5	12.7	96.4
Females	39.9	6.4	46.3	7.2	53.5	13.8	86.5
Persons	87.5	13.3	100.7	9.3	110.0	13.2	91.6
Attending a Tertiary Institution Full-time							
Males	3.8	* 1.1	4.9	8.5	13.4	* 22.4	36.7
Females	6.6	* 1.0	7.5	6.6	14.2	* 12.6	53.1
Persons	10.4	* 2.1	12.4	15.1	27.6	* 16.5	45.1
Attending School							
Males	12.9	3.2	16.1	36.4	52.5	19.8	30.6
Females	15.7	* 2.9	18.5	32.9	51.4	* 15.5	36.1
Persons	28.5	6.1	34.6	69.3	103.9	17.5	33.3
Total							
Males	64.3	11.2	75.4	46.9	122.4	14.8	61.6
Females	62.1	10.2	72.3	46.7	119.1	14.1	60.7
Persons	126.4	21.4	147.8	93.7	241.4	14.5	61.2

(a) The number of unemployed in each group as a percentage of the labour force in the same group.

(b) The labour force in each group as a percentage of the civilian population aged 15 to 19 years in the same group.

Table 11 - Labour Force Status of the Civilian Population Aged 20 to 24 Years: Full-time Attendance at a Tertiary Institution, Queensland, August 1988

Sex	Employed '000	Unemployed '000	Labour force '000	Not in labour force '000	Civilian population aged 20 to 24 years '000	Unemploy- ment rate (a) %	Partici- pation rate (b) %
Not Attending a Tertiary Educational Institution Full-time							
Males	67.0	9.2	76.2	3.4	79.7	12.1	95.7
Females	57.1	5.8	63.0	19.6	82.5	9.3	76.3
Persons	124.2	15.0	139.2	23.0	162.2	10.8	85.8
Attending a Tertiary Institution Full-time							
Males	* 1.9	* 0.1	* 2.0	* 2.1	4.1	* 7.3	49.3
Females	* -	* -	* -	* 1.9	* 1.9	* -	* -
Persons	* 1.9	* 0.1	* 2.0	4.0	6.0	* 7.3	33.9
Total							
Males	68.9	9.3	78.3	5.5	83.8	11.9	93.4
Females	57.1	5.8	63.0	21.4	84.4	9.3	74.6
Persons	126.1	15.2	141.2	27.0	168.2	10.7	84.0

(a) The number of unemployed in each group as a percentage of the labour force in the same group.

(b) The labour force in each group as a percentage of the civilian population aged 20 to 24 years in the same group.

Table 12 - Family Status by Labour Force Status and Sex of the Civilian Population
Aged 15 Years and Over, Queensland, August 1988

Family status	Employed		Unemployed		Labour force	Not in labour force	Civilian population aged 15 years and over	Unemployment rate (a)	Participation rate (b)
	Full-time	Total	Looking for full-time work	Total					
	'000	'000	'000	'000	'000	'000	'000	%	%
Males									
Member of a family	519.5	561.2	34.4	37.6	598.8	184.3	783.1	6.3	76.5
Husband	421.5	439.8	21.4	21.9	461.6	129.3	591.0	4.7	78.1
With children aged 0-14 years									
present	243.6	248.9	13.0	13.1	262.0	11.0	273.0	5.0	96.0
Without children aged 0-14									
years present	177.9	190.9	8.4	8.7	199.7	118.3	318.0	4.4	62.8
Not-married family head	8.9	9.7	* -	* 0.2	9.9	7.0	16.9	* 1.8	58.7
With children aged 0-14 years									
present	* 2.8	* 2.9	* -	* 0.2	3.1	* 2.1	5.2	* 5.7	59.2
Without children aged 0-14									
years present	6.1	6.8	* -	* -	6.8	4.8	11.6	* -	58.4
Full-time student aged 15-24									
years (c)	* 1.8	17.9	* 1.3	3.3	21.2	36.8	58.0	15.7	36.6
Other child of family head	80.5	86.6	10.7	11.2	97.8	6.8	104.6	11.5	93.5
Other relative of family head ...	6.8	7.2	* 1.0	* 1.0	8.2	4.3	12.5	* 12.7	65.5
Not a member of a family	96.9	104.6	9.2	9.4	114.0	37.7	151.7	8.2	75.1
Living alone	41.7	43.8	3.6	3.6	47.4	27.2	74.6	7.5	63.5
Not living alone	55.2	60.8	5.6	5.8	66.6	10.5	77.1	8.7	86.4
<u>Total</u>	616.4	665.8	43.6	47.0	712.8	222.0	934.9	6.6	76.3
Females									
Member of a family	198.9	371.7	19.0	26.8	398.4	405.9	804.3	6.7	49.5
Wife	131.7	264.1	10.3	14.1	278.2	310.7	588.9	5.1	47.2
With children aged 0-14 years									
present	49.3	129.3	5.0	7.9	137.2	131.8	269.0	5.8	51.0
Without children aged 0-14									
years present	82.4	134.8	5.3	6.2	141.0	178.9	319.8	4.4	44.1
Not-married family head	16.5	28.5	* 2.6	3.6	32.1	44.1	76.3	11.3	42.1
With children aged 0-14 years									
present	7.3	15.8	* 1.6	* 2.6	18.3	22.3	40.6	* 14.1	45.1
Without children aged 0-14									
years present	9.2	12.8	* 1.0	* 1.0	13.8	21.8	35.6	* 7.6	38.7
Full-time student aged 15-24									
years (c)	* 0.3	20.3	* 0.8	3.7	24.0	30.2	54.2	15.2	44.2
Other child of family head	46.2	53.1	4.6	4.8	57.9	7.9	65.8	8.2	88.0
Other relative of family head ...	4.3	5.6	* 0.7	* 0.7	6.3	12.9	19.2	* 11.0	32.6
Not a member of a family	53.6	65.2	7.1	8.2	73.4	78.1	151.4	11.1	48.4
Living alone	18.0	21.4	* 2.1	* 2.6	24.0	69.4	93.4	* 10.8	25.7
Not living alone	35.6	43.8	5.0	5.6	49.3	8.7	58.0	11.3	85.0
<u>Total</u>	252.6	436.8	26.1	34.9	471.8	484.0	955.8	7.4	49.4

Table 12 - Family Status by Labour Force Status and Sex of the Civilian Population
Aged 15 Years and Over, Queensland, August 1988 (continued)

Family status	Employed		Unemployed		Labour force	Not in labour force	Civilian population aged 15 years and over	Unemployment rate (a)	Participation rate (b)
	Full-time	Total	Looking for full-time work	Total					
	'000	'000	'000	'000	'000	'000	'000	%	%
Persons									
Member of a family	718.4	932.8	53.3	64.4	997.3	590.2	1,587.4	6.5	62.8
Husband or wife	553.2	703.9	31.7	35.9	739.8	440.0	1,179.9	4.9	62.7
With children aged 0-14 years									
present	292.9	378.2	18.0	21.0	399.2	142.8	542.0	5.3	73.6
Without children aged 0-14 years present	260.3	325.7	13.7	14.9	340.6	297.2	637.8	4.4	53.4
Not-married family head	25.3	38.2	* 2.6	3.8	42.0	51.1	93.1	9.0	45.1
With children aged 0-14 years									
present	10.0	18.7	* 1.6	* 2.8	21.4	24.4	45.9	* 12.9	46.7
Without children aged 0-14 years present	15.3	19.6	* 1.0	* 1.0	20.6	26.7	47.3	* 5.1	43.6
Full-time student aged 15-24 years (c)	* 2.2	38.2	* 2.1	7.0	45.2	67.1	112.3	15.4	40.3
Other child of family head	126.7	139.7	15.3	16.0	155.7	14.7	170.4	10.3	91.4
Other relative of family head ...	11.1	12.7	* 1.7	* 1.7	14.5	17.3	31.7	* 12.0	45.6
Not a member of a family	150.5	169.8	16.3	17.6	187.4	115.8	303.2	9.4	61.8
Living alone	59.7	65.3	5.6	6.2	71.5	96.6	168.1	8.7	42.5
Not living alone	90.8	104.6	10.7	11.4	115.9	19.2	135.1	9.8	85.8
Total	868.9	1,102.7	69.6	82.0	1,184.6	706.0	1,890.6	6.9	62.7
Usual resident of a private dwelling where family status was not determined	22.2	27.5	* 2.3	3.0	30.5	11.6	42.1	9.8	72.5
Total usual residents of private dwellings	891.1	1,130.2	71.9	84.9	1,215.2	717.6	1,932.7	7.0	62.9
Visitors to private dwellings	8.5	9.5	* 1.4	* 1.4	10.9	17.6	28.5	* 12.9	38.2
Persons enumerated in non-private dwellings	27.5	36.7	5.7	6.4	43.1	62.1	105.2	14.9	40.9
Total	927.1	1,176.4	79.0	92.8	1,269.1	797.3	2,066.4	7.3	61.4

(a) The number of unemployed in each group as a percentage of the labour force in the same group.

(b) The labour force in each group as a percentage of the civilian population aged 15 years and over in the same group.

(c) Excluding persons aged 20 to 24 years attending school.

Table 13 - Employed Persons (a) by Full-time or Part-time Status, Queensland

Month	Males		Females						Persons	
			Married		Not married (b)		Total			
	Full-time	Part-time	Full-time	Part-time	Full-time	Part-time	Full-time	Part-time	Full-time	Part-time
Number ('000)										
1987: July	630.0	50.8	135.3	123.4	126.8	48.6	262.0	172.0	892.0	222.9
August	618.7	58.2	135.8	126.2	125.2	45.2	260.9	171.3	879.7	229.5
September ..	629.0	51.5	133.1	125.8	129.6	52.6	262.7	178.4	891.7	229.9
October ...	625.7	50.5	136.8	123.0	123.9	56.0	260.7	179.0	886.4	229.5
November ..	619.0	58.1	127.5	136.1	124.1	57.4	251.6	193.5	870.6	251.6
December ..	637.6	55.1	130.1	125.0	132.6	54.7	262.6	179.6	900.2	234.7
1988: January ...	624.6	54.4	138.8	105.8	122.4	55.0	261.2	160.8	885.8	215.2
February ..	635.5	47.3	134.4	122.6	125.6	57.9	260.0	180.5	895.5	227.8
March	644.9	55.6	138.9	131.2	123.5	56.6	262.3	187.8	907.3	243.4
April	650.9	55.2	142.3	132.2	125.5	54.2	267.8	186.5	918.7	241.7
May	657.4	54.1	144.8	132.9	130.9	55.0	275.6	187.9	933.0	242.0
June	655.3	56.8	143.1	134.4	127.1	53.8	270.2	188.2	925.4	245.0
July	664.5	52.2	144.9	129.8	132.1	56.4	277.0	186.2	941.4	238.5
August	656.2	55.8	141.1	137.7	129.8	55.8	270.9	193.4	927.1	249.2

Full-time/Part-time as a Proportion of Employed Persons (c) (per cent)

1987: July	92.5	7.5	52.3	47.7	72.3	27.7	60.4	39.6	80.0	20.0
August	91.4	8.6	51.8	48.2	73.5	26.5	60.4	39.6	79.3	20.7
September ..	92.4	7.6	51.4	48.6	71.1	28.9	59.5	40.5	79.5	20.5
October ...	92.5	7.5	52.7	47.3	68.8	31.2	59.3	40.7	79.4	20.6
November ..	91.4	8.6	48.4	51.6	68.4	31.6	56.5	43.5	77.6	22.4
December ..	92.1	7.9	51.0	49.0	70.8	29.2	59.4	40.6	79.3	20.7
1988: January ...	92.0	8.0	56.7	43.3	69.0	31.0	61.9	38.1	80.5	19.5
February ..	93.1	6.9	52.3	47.7	68.4	31.6	59.0	41.0	79.7	20.3
March	92.1	7.9	51.4	48.6	68.6	31.4	58.3	41.7	78.8	21.2
April	92.2	7.8	51.8	48.2	69.8	30.2	59.0	41.0	79.2	20.8
May	92.4	7.6	52.1	47.9	70.4	29.6	59.5	40.5	79.4	20.6
June	92.0	8.0	51.6	48.4	70.3	29.7	58.9	41.1	79.1	20.9
July	92.7	7.3	52.7	47.3	70.1	29.9	59.8	40.2	79.8	20.2
August	92.2	7.8	50.6	49.4	69.9	30.1	58.3	41.7	78.8	21.2

(a) Civilians 15 years of age and over.

(b) Never married, widowed, separated or divorced.

(c) Employed persons in each category (full-time males, part-time males, etc.) as a proportion of all employed persons in the corresponding sex/marital status group (i.e. males, married females, not married females, total females or persons).

Total

(a) Civilians aged 15 years and over.

(c) See Explanatory Notes.

Table 14 - Employed Persons (a) by Industry Division and Status of Worker, Queensland, August 1988
('000)

Industry division and status of worker	Males	Females			Persons
		Married	Not married (b)	Total	
Agriculture, forestry, fishing and hunting	58.8	21.6	3.6	25.3	84.1
Mining	20.2	* 0.3	* 1.2	* 1.6	21.8
Manufacturing	112.6	20.9	12.9	33.8	146.4
Electricity, gas and water	12.1	* 1.2	* 0.8	* 2.0	14.1
Construction	88.9	11.0	* 1.4	12.4	101.3
Wholesale and retail trade	136.7	63.0	53.9	116.9	253.6
Transport and storage	61.2	9.0	5.8	14.8	76.0
Communication	15.7	4.1	* 2.5	6.6	22.3
Finance, property and business services	57.5	33.7	20.6	54.3	111.8
Public administration and defence	32.4	5.0	7.2	12.3	44.7
Community services	76.1	75.7	46.0	121.7	197.8
Recreation, personal and other services	39.7	33.2	29.6	62.8	102.5
Total employed	712.0	278.8	185.6	464.4	1,176.4
Employers	52.1	22.1	* 1.2	23.3	75.4
Self-employed	88.9	40.0	6.6	46.6	135.4
Wage and salary earners	565.7	210.1	175.7	385.8	951.5
Unpaid family helpers	5.3	6.6	* 2.1	8.7	14.1

(a) Civilians aged 15 years and over.

(b) Never married, widowed, separated or divorced.

Table 15 - Employed Persons (a) by Occupation Group, Queensland, August 1988
('000)

Occupation group	Males	Females			Persons
		Married	Not married (b)	Total	
Managers and administrators	88.0	24.5	4.3	28.8	116.8
Professionals	78.8	29.3	18.5	47.7	126.6
Para-professionals	42.9	11.8	13.2	25.1	67.9
Tradespersons	173.9	10.4	8.8	19.2	193.1
Clerks	43.5	94.7	49.5	144.2	187.7
Salespersons and personal service workers	71.5	64.8	66.0	130.9	202.4
Plant and machine operators and drivers	80.2	5.0	3.6	8.6	88.8
Labourers and related workers	133.2	38.4	21.6	60.0	193.2
Total	712.0	278.8	185.6	464.4	1,176.4

(a) Civilians aged 15 years and over.

(b) Never married, widowed, separated or divorced.

(c) The number of unemployed in each group as a percentage of the labour force in the same group.

(d) The labour force in each group as a percentage of the civilian population aged 15 years and over in the same group.

(e) Excluding persons aged 20 to 24 years attending school.

Table 16 - Average Hours Worked (a) by Employed Persons (b) by Industry Division and Status of Worker,
Queensland, August 1988

Industry division and status of worker	Males	Females			Persons
		Married	Not married (c)	Total	
Agriculture, forestry, fishing and hunting	51.1	26.0	27.1	26.2	43.6
Mining	42.9	* 40.0	* 37.6	38.1	42.6
Manufacturing	41.2	28.1	33.1	30.0	38.6
Electricity, gas and water	33.4	* 22.5	* 35.8	27.9	32.6
Construction	42.0	18.3	27.5	19.3	39.2
Wholesale and retail trade	39.8	30.2	25.9	28.2	34.5
Transport and storage	40.8	23.4	37.7	29.0	38.5
Communication	32.4	35.6	28.1	32.8	32.5
Finance, property and business services	41.6	28.6	36.1	31.4	36.7
Public administration and defence	36.2	28.0	31.0	29.7	34.4
Community services	38.9	28.2	35.1	30.8	33.9
Recreation, personal and other services	38.1	29.4	30.4	29.9	33.1
<u>Total employed</u>	40.9	28.2	31.3	29.4	36.4
Employers	55.4	32.7	* 51.0	33.7	48.7
Self-employed	44.8	26.8	29.0	27.1	38.7
Wage and salary earners	39.2	28.4	31.4	29.8	35.4
Unpaid family helpers	22.9	16.3	17.7	16.6	19.0
Full-time workers	43.1	40.4	38.9	39.6	42.1
Part-time workers	15.1	15.8	13.7	15.2	15.1

(a) Persons with jobs who did not work during survey week have been included in the calculation of average hours worked. (b) Civilians aged 15 years and over. (c) Never married, widowed, separated or divorced.

Table 17 - Employed Persons (a) by Hours Worked, Queensland, August 1988
('000)

Hours worked	Males	Females			Persons
		Married	Not married (b)	Total	
0 (c)	37.9	12.6	8.2	20.8	58.7
1-15	31.9	63.8	31.9	95.7	127.7
16-29	44.6	60.8	23.0	83.9	128.4
30-34	38.8	24.6	11.6	36.2	75.0
35-39	80.9	34.2	31.4	65.6	146.5
40	175.6	36.7	45.1	81.8	257.4
41-44	51.4	11.3	12.3	23.6	75.0
45-48	70.2	10.9	8.8	19.7	89.9
49 and over	180.7	23.9	13.2	37.1	217.8
<u>Total</u>	712.0	278.8	185.6	464.4	1,176.4

(a) Civilians aged 15 years and over.
(c) See Explanatory Notes.

(b) Never married, widowed, separated or divorced.

Table 18 - Employed Persons (a) by Status, Industry Division, and Occupation Group in Labour Force Regions, Queensland,
August 1988
(¹000)

Particulars	Brisbane Statistical Division				Total
	Brisbane City Inner Ring	Brisbane City Outer Ring	South and East BSD Balance	North and West BSD Balance	
Status of worker					
Wage and salary earners	141.6	157.7	76.7	92.2	468.1
Others	24.1	21.2	14.2	14.8	74.3
Full-time and part-time status					
Full-time	132.2	139.5	73.5	84.7	429.8
Part-time	33.5	39.4	17.4	22.2	112.6
Industry division					
Agriculture, forestry, fishing, and hunting	* 1.2	* 1.2	2.6	* 0.9	5.9
Mining	* 0.3	* 0.3	* 0.5	* 0.7	* 1.9
Manufacturing	14.8	30.4	16.6	19.2	81.0
Electricity, gas, and water ...	* 2.2	* 1.9	* 0.8	* 1.6	6.6
Construction	8.8	12.6	10.8	5.7	38.0
Wholesale and retail trade	37.8	39.6	21.8	25.9	125.2
Transport and storage	9.2	10.2	6.2	6.8	32.4
Communication	3.3	4.4	* 1.6	* 1.9	11.2
Finance, property, and business services	24.0	20.2	7.8	14.0	65.9
Public administration and defence	7.0	10.0	* 2.4	4.5	23.9
Community services	39.2	33.9	13.8	18.5	105.4
Recreation, personal, and other services	17.8	14.2	5.9	7.3	45.2
Major occupation group					
Managers and administrators ...	10.5	13.0	6.2	6.3	35.9
Professionals	30.7	26.8	7.4	10.4	75.2
Para-professionals	12.3	11.0	4.1	6.6	34.1
Tradespersons	17.7	26.5	17.8	18.8	80.8
Clerks	33.3	34.4	14.3	21.4	103.5
Salespersons and personal service workers	33.5	31.7	16.2	18.4	99.7
Plant and machine operators, and drivers	6.1	9.2	9.2	9.1	33.6
Labourers and related workers .	21.6	26.4	15.7	15.9	79.7
<u>Total employed</u>	165.8	178.9	90.9	106.9	542.4

Table 18 - Employed Persons (a) by Status, Industry Division, and Occupation Group in Labour Force Regions, Queensland,
August 1988 (continued)
('000)

Particulars	Balance of Queensland							Total	Total Queensland
	South and East Moreton	North and West Moreton	Wide Bay- Burnett	Darling Downs-South West	Mackay- Fitzroy- Central West	Northern- North West	Far North		
Status of worker									
Wage and salary earners	78.4	52.6	46.0	64.5	94.4	81.2	66.2	483.3	951.5
Others	25.1	23.2	21.2	27.1	23.2	14.9	15.9	150.6	224.9
Full-time and part-time status									
Full-time	78.4	57.6	50.9	74.8	93.6	79.3	62.6	497.3	927.1
Part-time	25.1	18.3	16.3	16.8	24.0	16.8	19.4	136.6	249.2
Industry division									
Agriculture, forestry, fishing, and hunting	* 0.5	10.4	14.7	23.1	12.9	9.7	6.9	78.2	84.1
Mining	* 1.1	* 0.6	* 1.2	* 0.3	7.9	5.1	3.7	19.9	21.8
Manufacturing	11.7	8.6	8.0	9.2	10.1	9.6	8.3	65.4	146.4
Electricity, gas, and water ...	* 0.5	* 0.7	* 0.9	* 0.9	* 2.3	* 1.7	* 0.5	7.6	14.1
Construction	18.4	10.4	5.1	7.0	9.6	7.1	5.9	63.4	101.3
Wholesale and retail trade	23.3	15.2	13.5	17.2	22.8	18.6	17.8	128.4	253.6
Transport and storage	5.7	* 1.8	4.6	6.0	11.8	8.1	5.7	43.6	76.0
Communication	* 1.9	* 0.5	* 1.3	* 1.4	* 2.2	* 1.2	* 2.6	11.1	22.3
Finance, property, and business services	15.1	5.7	3.9	3.8	6.4	5.4	5.7	45.9	111.8
Public administration and defence	* 1.7	2.9	* 2.5	4.8	* 3.4	3.7	* 1.9	20.8	44.7
Community services	10.2	12.6	8.1	12.7	17.2	17.7	14.0	92.4	197.8
Recreation, personal, and other services	13.4	6.6	3.6	5.3	11.1	8.3	9.1	57.3	102.5
Major occupation group									
Managers and administrators ...	6.9	11.7	13.1	20.2	12.9	9.2	7.0	80.9	116.8
Professionals	7.0	9.4	3.7	5.5	8.2	12.2	5.2	51.3	126.6
Para-professionals	4.3	2.9	3.8	4.0	7.3	5.5	6.0	33.8	67.9
Tradespersons	23.0	11.3	10.4	14.8	20.6	17.6	14.5	112.3	193.1
Clerks	20.1	9.8	6.6	10.0	13.6	11.0	13.1	84.2	187.7
Salespersons and personal service workers	21.0	12.2	10.2	12.7	16.6	17.0	13.0	102.7	202.4
Plant and machine operators, and drivers	7.2	5.0	4.9	6.1	16.0	8.5	7.4	55.1	88.8
Labourers and related workers .	14.0	13.6	14.4	18.3	22.5	14.9	15.8	113.5	193.2
<u>Total employed</u>	103.4	75.9	67.2	91.6	117.6	96.1	82.1	633.9	1,176.4

(a) Civilians aged 15 years and over.

Table 19 - Unemployed Persons by Duration of Unemployment (a), Queensland

Duration of unemployment (a)	1987			1988		
	June	July	August	June	July	August
Males						
	'000	'000	'000	'000	'000	'000
Number unemployed						
Under 4 weeks	8.3	8.3	8.1	7.1	6.6	9.2
4 and under 8 weeks	7.2	9.4	8.0	8.4	6.2	5.9
8 and under 13 weeks	5.6	6.2	5.4	4.2	5.6	4.6
13 and under 26 weeks	14.2	10.6	10.2	8.7	6.6	8.9
26 and under 52 weeks	14.1	13.1	15.0	9.1	9.0	10.8
52 weeks and over	19.2	19.9	20.2	17.9	18.5	14.6
<u>Total</u>	68.6	67.5	66.9	55.5	52.4	53.9
	weeks	weeks	weeks	weeks	weeks	weeks
Median duration of unemployment	25	24	28	24	26	23
Females						
	'000	'000	'000	'000	'000	'000
Number unemployed						
Under 4 weeks	9.0	8.0	9.1	10.8	9.6	8.2
4 and under 8 weeks	5.9	6.8	6.7	5.0	4.9	4.9
8 and under 13 weeks	4.2	4.2	4.8	* 2.6	3.3	4.1
13 and under 26 weeks	9.8	7.7	5.4	11.3	6.1	5.4
26 and under 52 weeks	9.4	10.0	10.3	7.4	6.5	9.0
52 weeks and over	10.7	10.1	10.1	8.5	8.1	7.2
<u>Total</u>	49.0	46.8	46.4	45.6	38.4	38.9
	weeks	weeks	weeks	weeks	weeks	weeks
Median duration of unemployment	18	20	17	17	14	15
Persons						
	'000	'000	'000	'000	'000	'000
Number unemployed						
Under 4 weeks	17.3	16.3	17.2	17.9	16.2	17.4
4 and under 8 weeks	13.1	16.2	14.7	13.5	11.0	10.7
8 and under 13 weeks	9.7	10.5	10.2	6.8	8.9	8.7
13 and under 26 weeks	24.0	18.2	15.6	20.0	12.7	14.3
26 and under 52 weeks	23.5	23.1	25.2	16.5	15.5	19.8
52 weeks and over	29.9	30.0	30.3	26.5	26.5	21.8
<u>Total</u>	117.6	114.3	113.2	101.1	90.8	92.8
	weeks	weeks	weeks	weeks	weeks	weeks
Median duration of unemployment	22	22	24	21	22	18

(a) See Explanatory Notes.

Table 20 - Unemployed Persons by Duration of Unemployment (a) in Labour Force Regions, Queensland, August 1988

Region	Unemployed			
	Under 13 weeks	13 weeks and over	Total	Median duration
	'000	'000	'000	weeks
Males				
<u>Brisbane Statistical Division</u>	<u>9.2</u>	<u>14.5</u>	<u>23.7</u>	<u>18</u>
Brisbane City Inner Ring	* 2.4	4.4	6.8	* 23
Brisbane City Outer Ring	* 1.2	3.6	4.8	* 32
South and East BSD Balance	* 2.3	* 2.3	4.6	* 13
North and West BSD Balance	3.3	4.1	7.5	* 13
<u>Balance of Queensland</u>	<u>10.4</u>	<u>19.8</u>	<u>30.2</u>	<u>27</u>
South and East Moreton	* 1.6	* 2.3	3.8	* 13
North and West Moreton	* 1.0	3.0	4.1	* 28
Wide Bay-Burnett	* 1.7	3.5	5.3	* 30
Darling Downs-South West	* 1.0	* 1.9	2.9	* 18
Mackay-Fitzroy-Central West	* 1.9	4.4	6.3	* 27
Northern-North West	* 1.1	* 2.5	3.6	* 30
Far North	* 2.1	* 2.1	4.2	* 12
<u>Total Queensland</u>	<u>19.6</u>	<u>34.3</u>	<u>53.9</u>	<u>23</u>
Females				
<u>Brisbane Statistical Division</u>	<u>7.9</u>	<u>8.8</u>	<u>16.7</u>	<u>13</u>
Brisbane City Inner Ring	3.3	2.5	5.8	* 9
Brisbane City Outer Ring	* 0.9	3.0	3.9	* 26
South and East BSD Balance	* 0.8	* 1.3	* 2.1	* 28
North and West BSD Balance	2.8	* 2.0	4.8	* 8
<u>Balance of Queensland</u>	<u>9.3</u>	<u>12.9</u>	<u>22.2</u>	<u>15</u>
South and East Moreton	* 1.7	* 1.6	3.3	* 6
North and West Moreton	* 0.7	* 2.3	3.0	* 32
Wide Bay-Burnett	* 0.5	* 2.3	2.8	* 24
Darling Downs-South West	* 1.8	* 1.6	3.4	* 9
Mackay-Fitzroy-Central West	* 2.2	* 2.4	4.6	* 13
Northern-North West	* 1.2	* 1.1	* 2.3	* 12
Far North	* 1.2	* 1.7	* 2.9	* 16
<u>Total Queensland</u>	<u>17.2</u>	<u>21.6</u>	<u>38.9</u>	<u>15</u>
Persons				
<u>Brisbane Statistical Division</u>	<u>17.1</u>	<u>23.3</u>	<u>40.4</u>	<u>17</u>
Brisbane City Inner Ring	5.7	6.9	12.6	18
Brisbane City Outer Ring	* 2.2	6.6	8.8	* 26
South and East BSD Balance	3.1	3.6	6.7	* 13
North and West BSD Balance	6.2	6.1	12.2	12
<u>Balance of Queensland</u>	<u>19.7</u>	<u>32.6</u>	<u>52.4</u>	<u>22</u>
South and East Moreton	3.3	3.8	7.1	* 13
North and West Moreton	* 1.8	5.3	7.1	* 31
Wide Bay-Burnett	* 2.3	5.8	8.0	* 26
Darling Downs-South West	2.7	3.5	6.2	* 13
Mackay-Fitzroy-Central West	* 4.1	6.8	10.9	20
Northern-North West	* 2.3	3.6	5.9	* 26
Far North	* 3.4	3.8	7.1	* 15
<u>Total Queensland</u>	<u>36.9</u>	<u>55.9</u>	<u>92.8</u>	<u>18</u>

(a) See Explanatory Notes.

Table 21 - Unemployed Persons and Unemployment Rates (a) by Birthplace and Age Group, Queensland, August 1988

Particulars	Number			Unemployment Rate		
	Males	Females	Persons	Males	Females	Persons
	'000	'000	'000	%	%	%
Born in Australia						
Looking for full-time work	38.6	23.3	61.8	6.7	9.5	7.5
Looking for part-time work	3.7	7.4	11.1	7.2	4.3	4.9
<u>Total</u>	42.2	30.7	72.9	6.7	7.3	7.0
Age group (years)						
15-19	10.4	9.3	19.7	14.9	14.1	14.5
20-24	9.3	7.5	16.7	11.1	10.9	11.0
25-34	9.6	6.3	15.9	5.5	6.0	5.7
35-44	6.1	4.8	10.9	4.1	4.8	4.4
45-54	3.2	* 2.5	5.7	3.7	* 4.4	4.0
55 and over	3.6	* 0.3	4.0	5.9	* 1.4	4.6
Born outside Australia						
Looking for full-time work	11.0	6.2	17.2	8.5	11.3	9.4
Looking for part-time work	* 0.7	* 2.0	* 2.6	* 7.8	* 6.8	* 7.1
<u>Total</u>	11.6	8.2	19.8	8.5	9.8	9.0
Age group (years)						
15-19	* 0.8	* 0.9	* 1.7	* 13.6	* 13.7	* 13.6
20-24	* 1.9	* 1.2	3.1	* 13.1	* 10.2	11.8
25-34	* 2.1	* 2.2	4.3	* 6.8	* 11.4	8.6
35-44	* 2.6	* 1.9	4.5	* 6.6	* 7.4	6.9
45-54	* 2.3	* 1.2	3.6	* 7.7	* 8.7	8.0
55 and over	* 2.0	* 0.7	* 2.7	* 11.7	* 12.3	* 11.9
Place of birth						
Main English-speaking countries (b)	6.4	5.7	12.1	7.4	11.1	8.8
Other	5.2	* 2.5	7.7	10.3	* 7.6	9.3

(a) The number of unemployed in each group as a percentage of the labour force in the same group.

(b) Comprises the United Kingdom, Ireland, Canada, the United States of America, South Africa and New Zealand.

15 and under 25 weeks	24.0	15.2	19.6	15.2	15.2	15.2
25 and under 52 weeks	23.5	15.2	19.3	15.2	15.2	15.2
52 weeks and over	29.9	10.6	20.2	30.6	10.6	20.2
<u>Total</u>	117.6	154.3	117.6	117.6	154.3	117.6
Median duration of unemployment	22	22	24	21	22	18

(a) See Explanatory Notes.

Table 22 - Unemployed Persons and Unemployment Rates (a) by Industry Division and Occupation Group of Last Full-time Job, Queensland

Unemployment category, industry division and occupation group	August 1987		November 1987		February 1988		May 1988		August 1988	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
	'000	%	'000	%	'000	%	'000	%	'000	%
Persons who had worked full-time for 2 weeks or more in the last 2 years	68.1	5.8	62.3	5.3	68.2	5.7	61.8	5.0	56.1	4.6
Industry division										
Agriculture, forestry, fishing and hunting	3.6	4.1	5.2	5.8	5.7	6.1	5.3	5.9	5.4	6.0
Manufacturing	12.3	8.5	11.5	8.2	11.8	8.5	12.9	8.5	9.9	6.3
Construction	8.0	9.1	7.3	8.3	8.7	8.7	6.3	6.1	4.2	3.9
Wholesale and retail trade	20.8	8.0	12.9	4.8	12.1	4.7	14.4	5.5	15.5	5.8
Community services	5.1	2.7	6.5	3.3	6.3	3.2	5.4	2.6	5.3	2.6
Recreation, personal and other services	7.3	7.2	8.1	8.0	9.6	9.5	6.3	5.7	6.2	5.7
Other industries	11.0	3.6	10.8	3.6	14.1	4.6	11.2	3.6	9.6	3.2
Occupation group										
Managers and administrators ...	* 2.9	* 2.4	* 2.0	* 1.7	* 2.2	* 2.0	* 2.8	* 2.2	* 2.3	* 1.9
Professionals	* 2.7	* 2.4	* 2.2	* 1.8	3.4	2.9	* 1.7	* 1.4	* 2.2	* 1.7
Para-professionals	* 1.5	* 2.2	* 2.0	* 3.3	* 1.8	* 2.6	* 1.6	* 2.4	* 1.4	* 2.0
Tradespersons	11.6	6.2	11.2	6.1	11.8	6.1	8.7	4.5	9.1	4.5
Clerks	7.7	4.0	4.6	2.5	9.0	4.5	6.8	3.4	5.2	2.7
Salespersons and personal service workers	13.4	6.8	10.9	5.4	11.0	5.6	9.7	5.0	12.0	5.6
Plant and machine operators and drivers	5.6	6.0	6.8	7.0	6.9	7.6	8.7	8.6	6.3	6.6
Labourers and related workers	22.0	10.6	22.6	10.5	22.2	10.5	21.8	9.5	17.6	8.3
Other										
Persons looking for first job ...	11.1	..	10.5	..	16.8	..	10.3	..	9.9	..
Persons who have not worked full-time for 2 weeks or more during the last 2 years (b)	32.3	..	31.6	..	38.2	..	29.9	..	24.8	..
Persons stood down	* 1.8	..	* 1.4	..	3.3	..	* 2.2	..	* 2.0	..
Total unemployed	113.2	9.3	105.8	8.6	126.5	10.1	104.2	8.1	92.8	7.3
Persons looking for full-time work	96.1	9.8	89.4	9.3	100.4	10.1	81.5	8.0	79.0	7.9
Persons looking for part-time work	17.2	7.0	16.3	6.1	26.1	10.3	22.7	8.6	13.7	5.2

(a) The number of unemployed in each industry division or occupation group as a percentage of the labour force in that group.

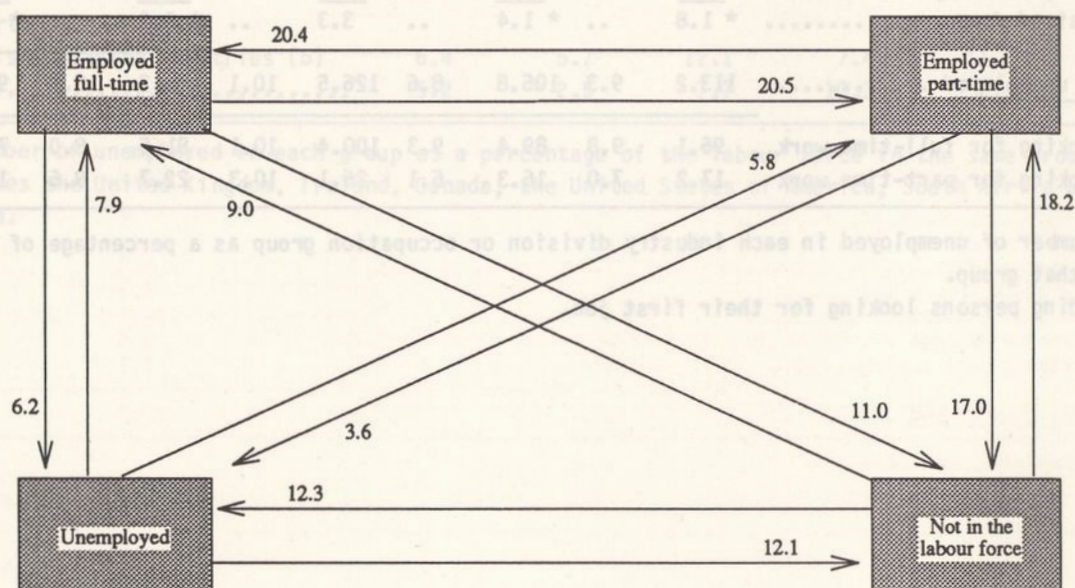
(b) Excluding persons looking for their first job.

Table 23 - Estimates of Changes in Labour Force Status and Gross Flows (a) Derived from Matched Records.
Queensland, July 1988 to August 1988
(*000)

Particulars		Males	Females		Persons
			Married	Total	
Labour force status					
July 1988	August 1988				
Employed full-time	Employed full-time	501.8	102.7	193.3	695.1
	Employed part-time	8.3	8.4	12.2	20.5
	Unemployed	3.6	* 1.4	* 2.6	6.2
	Not in labour force	7.1	* 2.6	3.9	11.0
Employed part-time	Employed full-time	7.4	7.6	13.0	20.4
	Employed part-time	27.2	90.1	122.6	149.8
	Unemployed	* 1.2	* 1.4	* 2.4	3.6
	Not in labour force	4.6	8.6	12.4	17.0
Unemployed	Employed full-time	6.4	* 0.5	* 1.5	7.9
	Employed part-time	* 2.0	* 2.0	3.8	5.8
	Unemployed	25.5	6.1	17.0	42.5
	Not in labour force	4.2	4.7	7.9	12.1
Not in labour force	Employed full-time	5.2	* 2.6	3.9	9.0
	Employed part-time	3.4	10.2	14.8	18.2
	Unemployed	5.6	3.4	6.7	12.3
	Not in labour force	166.1	247.6	382.8	548.9
Gross flows into					
	Employed	16.9	15.4	24.0	41.0
	Full-time	19.0	10.8	18.3	37.3
	Part-time	13.7	20.6	30.8	44.5
	Unemployed	10.5	6.2	11.6	22.1
	Not in labour force	15.8	16.0	24.3	40.1
Gross flows out of					
	Employed	16.5	14.0	21.3	37.8
	Full-time	19.0	12.4	18.6	37.7
	Part-time	13.2	17.5	27.8	41.0
	Unemployed	12.6	7.3	13.2	25.8
	Not in labour force	14.2	16.2	25.4	39.6
Total change of status		43.2	37.5	59.9	103.1
Population represented by the matched sample		779.6	500.0	800.8	1,580.3

(a) See Explanatory Notes.

DIAGRAM 8 - ESTIMATES OF CHANGES IN LABOUR FORCE STATUS DERIVED FROM MATCHED RECORDS,
QUEENSLAND, JULY 1988 TO AUGUST 1988
(*000 persons)



Technical Notes

Estimation Procedure

The labour force estimates are derived from the monthly population survey by use of a complex ratio estimation procedure, which ensures that the survey estimates conform to an independently estimated distribution of the population by age and sex, rather than to the age and sex distribution within the sample itself. This procedure compensates for under-enumeration in the survey and leads to more reliable estimates.

Since regular estimates of the population are not available at the regional level, the State benchmarks were used to produce regional estimates. This methodology assumes a common pattern of under-enumeration at the regional level and also ensures that regional estimates add to the State totals.

Reliability of the Estimates

Two types of error are possible in an estimate based on a sample survey: sampling error and non-sampling error. The *sampling error* is a measure of the variability that occurs by chance because a sample, rather than the entire population, is surveyed. Since the estimates in this publication are based on information obtained from occupants of a sample of dwellings, the estimates and the movements derived from them are subject to sampling variability; that is, they may differ from the figures that would have been obtained if all dwellings had been included in the survey. One measure of the likely difference is given by the *standard error* which indicates the extent to which an estimate might have varied by chance because only a sample of dwellings was included. There are about two chances in three that a sample estimate will differ by less than one standard error from the figure that would have been obtained if all dwellings had been included and about 19 chances in 20 that the difference will be less than two standard errors. The standard error can also be expressed as a percentage of the estimate, and this is known as the *relative standard error*.

Space does not allow for the separate indication of the standard errors of all estimates in this publication. Standard errors of estimates derived from the survey and of monthly, quarterly and annual movements can be determined by using Tables A, B, D and E.

The size of the standard error increases with the level of the estimate, so that the larger the estimate the larger the standard error. However, it should be noted that the larger the sample estimate the smaller will be the standard error in percentage terms. Thus, larger sample estimates will be relatively more reliable than smaller estimates. Since regional estimates for particular labour force characteristics are components of corresponding estimates at the State level, they are subject to higher relative standard errors. As noted above, the use of regional benchmarks in the estimation of regional estimates is not possible.

For these reasons, users should note that regional estimates may be more volatile than corresponding State estimates and thus their use should be restricted to that of providing snapshot information at a given point in time. They should not be regarded as reliable indicators of short-term (monthly) movements.

Standard errors of estimates derived from the monthly labour force survey have been re-estimated following the introduction of the new sample. The standard errors now applicable are shown in Tables A and D.

As the standard errors in Tables A and D show, the *smaller the estimate the higher is the relative standard error*. Small estimates are subject to such high standard errors (relative to the size of the estimate) as to detract seriously from their value for most reasonable use. In the tables in this publication, only estimates with relative standard errors of 25 per cent or less, and percentages based on such estimates, are considered sufficiently reliable for most purposes. However, estimates and percentages with larger relative standard errors have been included and are

preceded by an asterisk (e.g. *3.0) to indicate they are subject to high standard errors and should be used with caution.

The movement in the level of an estimate is also subject to sampling variability. The standard error of the movement depends on the levels of the estimates from which the movement is obtained rather than the size of the movement. Standard errors of monthly movements are given in Tables B and E. The estimates of standard error of monthly movements apply only to estimates of movements between two consecutive months. Movements between corresponding months of consecutive quarters (quarterly movements), corresponding months of consecutive years (annual movements) and other non-consecutive months, will generally be subject to somewhat greater sampling variability than is indicated in Tables B and E. Standard errors of *quarterly movements* can be obtained by multiplying the figures in Tables B and E by 1.5. Standard errors of all *annual movements* can be obtained by multiplying the figures in Tables A and D by 1.3. When using Tables A, B, D or E to calculate standard errors of movements, refer to the larger of the two estimates from which the movement is derived.

Examples of the calculation and use of standard errors are given below:

- From Table A it will be seen that an estimate of 20,000 has a standard error of 1,750. Therefore there are about two chances in three that the number that would have been obtained if all dwellings had been included in the survey would have been within the range 18,250 to 21,750 and about 19 chances in 20 that it would have been within the range 16,500 to 23,500.
- The estimate increases between two consecutive months from 50,000 to 75,000. Table B relates the standard error of the monthly movement to the larger of the two estimates from which the movement is derived. In this case the estimate of 75,000 is the larger. From Table B it will be seen that the standard error of the monthly movement is about 2,325. Therefore there are about two chances in three that if all dwellings had been included in the survey the movement would have been in the range +22,675 to +27,325 and about 19 chances in 20 that it would have been within the range +20,350 to +29,650.

Table A – Standard Errors of Estimates

Size of estimate	Standard error	Per cent of estimate
persons	No.	%
800	380	47.5
1,000	430	43.0
1,300	490	37.7
1,500	530	35.3
1,800	580	32.2
2,000	610	30.5
2,500	680	27.2
3,000	750	25.0
3,500	800	22.9
4,000	850	21.3
4,500	900	20.0
5,000	950	19.0
6,000	1,050	17.5
10,000	1,300	13.0
20,000	1,750	8.8
50,000	2,550	5.1
100,000	3,300	3.3
200,000	4,200	2.1
300,000	4,850	1.6
500,000	5,700	1.1
1,000,000	7,100	0.7
2,000,000	8,600	0.4

Table 23 - Estimates of Changes in Labour Force Status and Gross Flows (a) Derived from Matched Records, Queensland, 1988

Technical Notes (continued)

Table B - Standard Errors of Estimates of Monthly Movements

Size of larger estimate	Standard error of estimate of monthly movements	Size of larger estimate	Standard error of estimate of monthly movements
1,000	490	6,000	940
1,300	540	10,000	1,150
1,500	570	20,000	1,450
1,800	610	50,000	2,050
2,000	630	100,000	2,600
2,500	680	200,000	3,350
3,000	730	300,000	3,900
3,500	770	500,000	4,700
4,000	810	1,000,000	6,100
4,500	850	2,000,000	7,800
5,000	880		

The relative standard errors of estimates of average hours worked and median duration of unemployment are obtained by first finding the relative standard error of the estimate of the total number of persons contributing to the estimate (see Table A or Table D) and then multiplying the figure so obtained by the factors 0.7 for average hours worked and 2.0 for median duration of unemployment.

The levels at which these and other labour force estimates have a relative standard error of 25 per cent are shown in Table C. Because of higher relative standard errors, estimates of median duration of unemployment have higher cut-off points for publication than other estimates as shown in Tables A and D.

Table C - Levels at Which Labour Force Estimates Have a Relative Standard Error of 25 Per Cent

Estimates classified by	Number of persons
Average hours worked ..	1,500
Median duration of unemployment ..	10,800
Other Queensland estimates ..	3,000
Regional estimates ..	See Tables D and E

The standard errors of estimates relating to agricultural employment are generally somewhat higher than the standard errors of other estimates of the same magnitude.

Proportions and percentages (for example, participation rates) formed from the ratio of two estimates are also subject to sampling error. The size of the error depends on the accuracy of both the numerator and denominator. The formula for the relative standard error (RSE) of a proportion or percentage is given below.

$$RSE(\frac{x}{y}) = \sqrt{[RSE(x)]^2 + [RSE(y)]^2}$$

Standard errors contained in Tables A, B, D and E are designed to provide an average standard error applicable for all monthly labour force survey estimates. Analysis of standard errors applicable to particular survey estimates has shown that the standard errors on estimates of employment are generally equivalent to those shown in Tables A, B, D and E, while standard errors for unemployment and persons not in the labour force are approximately 3 per cent lower and 6 per cent higher, respectively, than those shown in the tables.

The imprecision due to sampling variability, which is measured by the standard error, should not be confused with inaccuracies that may occur because of imperfections in reporting by respondents, errors made in collection such as in the recording and coding of data and errors made in the processing of data. Inaccuracies of this kind are referred to as the *non-sampling error*, and they may occur in any enumeration, whether it be a full count or a sample. Every effort is made to reduce the non-sampling error to a minimum by careful design of questionnaires, intensive training and supervision of interviewers and efficient operating procedures.

Table D – Standard Errors of Regional Labour Force Estimates

Brisbane Statistical Division										
Size of estimate	Brisbane City Inner Ring		Brisbane City Outer Ring		South and East BSD Balance		North and West BSD Balance		Total	
	No.	%	No.	%	No.	%	No.	%	No.	%
2,400	n.a.	n.a.	600	25.0	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
2,500	620	24.8	610	24.4	620	24.8	620	24.8	n.a.	n.a.
3,000	680	22.7	670	22.3	680	22.7	680	22.7	750	25.0
3,500	730	20.9	720	20.6	730	20.9	730	20.9	800	22.9
4,000	790	19.8	780	19.5	790	19.8	790	19.8	850	21.3
4,500	840	18.7	830	18.4	840	18.7	840	18.7	900	20.0
5,000	880	17.6	870	17.4	880	17.6	880	17.6	950	19.0
6,000	970	16.2	960	16.0	970	16.2	970	16.2	1,050	17.5
8,000	1,150	14.4	1,100	13.8	1,150	14.4	1,150	14.4	1,150	14.4
10,000	1,250	12.5	1,250	12.5	1,250	12.5	1,250	12.5	1,300	13.0
20,000	1,850	9.3	1,800	9.0	1,850	9.3	1,850	9.3	1,750	8.8
30,000	2,250	7.5	2,250	7.5	2,250	7.5	2,250	7.5	2,050	6.8
40,000	2,650	6.6	2,600	6.5	2,650	6.6	2,650	6.6	2,300	5.8
50,000	3,000	6.0	2,950	5.9	3,000	6.0	3,000	6.0	2,550	5.1
100,000	4,350	4.4	4,300	4.3	4,350	4.4	4,350	4.4	3,300	3.3
200,000	6,400	3.2	6,300	3.2	6,400	3.2	6,400	3.2	4,200	2.1

Table D – Standard Errors of Regional Labour Force Estimates (continued)

Table D – Standard Errors of Regional Labour Force Estimates (continued)

Size of estimate	Balance of Queensland															
	South and East Moreton		North and West Moreton		Wide Bay–Burnett		Darling Downs–South West		Mackay–Fitzroy–Central West		Northern–North West		Far North		Total	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
2,700	n.a.	n.a.	n.a.	n.a.	670	24.8	670	24.8	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
2,800	700	25.0	700	25.0	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
3,000	730	24.3	730	24.3	710	23.7	710	23.7	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	750	25.0
3,500	790	22.6	790	22.6	770	22.0	770	22.0	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	800	22.9
3,600	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	900	25.0	900	25.0	n.a.	n.a.
4,000	840	21.0	840	21.0	820	20.5	820	20.5	n.a.	n.a.	940	23.5	940	23.5	850	21.3
4,200	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	1,050	25.0	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
4,500	890	19.8	890	19.8	880	19.6	880	19.6	1,100	24.4	1,000	22.2	1,000	22.2	900	20.0
5,000	950	19.0	950	19.0	930	18.6	930	18.6	1,150	23.0	1,050	21.0	1,050	21.0	950	19.0
6,000	1,050	17.5	1,050	17.5	1,000	16.7	1,000	16.7	1,250	20.8	1,200	20.0	1,200	20.0	1,050	17.5
8,000	1,200	15.0	1,200	15.0	1,200	15.0	1,200	15.0	1,450	18.1	1,360	17.0	1,360	17.0	1,150	14.4
10,000	1,350	13.5	1,350	13.5	1,350	13.5	1,350	13.5	1,650	16.5	1,550	15.5	1,550	15.5	1,300	13.0
20,000	1,950	9.8	1,950	9.8	1,900	9.5	1,900	9.5	2,400	12.0	2,200	11.0	2,200	11.0	1,750	8.8
30,000	2,450	8.2	2,450	8.2	2,400	8.0	2,400	8.0	2,950	9.8	2,730	9.1	2,730	9.1	2,050	6.8
40,000	2,850	7.1	2,850	7.1	2,800	7.0	2,800	7.0	3,450	8.6	3,190	8.0	3,190	8.0	2,300	5.8
50,000	3,200	6.4	3,200	6.4	3,150	6.3	3,150	6.3	3,900	7.8	3,600	7.2	3,600	7.2	2,550	5.1
100,000	4,650	4.7	4,650	4.7	4,550	4.6	4,550	4.6	5,700	5.7	5,300	5.3	5,300	5.3	3,300	3.3
200,000	6,800	3.4	..	..	..	..	..	..	8,300	4.2	..	..	..	..	4,200	2.1

Table E – Standard Errors for Monthly Movements of Regional Estimates

Size of estimate	Brisbane Statistical Division					Balance of Queensland							
	Brisbane City Inner Ring	Brisbane City Outer Ring	South and East BSD Balance	North and West BSD Balance	Total	South and East Moreton	North and West Moreton	Wide Bay–Burnett	Darling Downs–South West	Mackay–Fitzroy–Central West	Northern–North West	Far North	Total
2,500	560	500	540	540	680	480	480	550	550	560	590	590	680
3,000	600	540	580	580	730	510	510	600	600	600	650	650	730
4,000	670	600	650	650	810	580	580	670	670	680	720	720	810
5,000	740	660	700	700	880	630	630	730	730	740	780	780	880
6,000	790	710	770	770	940	680	680	790	790	790	840	840	940
8,000	890	800	860	860	1,050	760	760	880	880	890	940	940	1,050
10,000	970	870	940	940	1,150	830	830	960	960	970	1,050	1,050	1,150
20,000	1,250	1,150	1,250	1,250	1,450	1,100	1,100	1,250	1,250	1,300	1,350	1,350	1,450
30,000	1,500	1,350	1,450	1,450	1,700	1,300	1,300	1,500	1,500	1,500	1,600	1,600	1,700
40,000	1,700	1,500	1,650	1,650	1,900	1,450	1,450	1,650	1,650	1,700	1,800	1,800	1,900
50,000	1,850	1,650	1,800	1,800	2,050	1,550	1,550	1,800	1,800	1,850	1,950	1,950	2,050
100,000	2,400	2,150	2,350	2,350	2,600	2,050	2,050	2,400	2,400	2,400	2,550	2,550	2,600
200,000	3,200	2,850	3,100	3,100	3,350	2,700	3,200	3,400	..	3,350

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